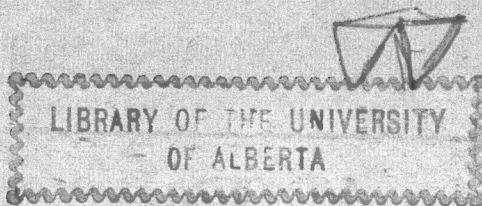


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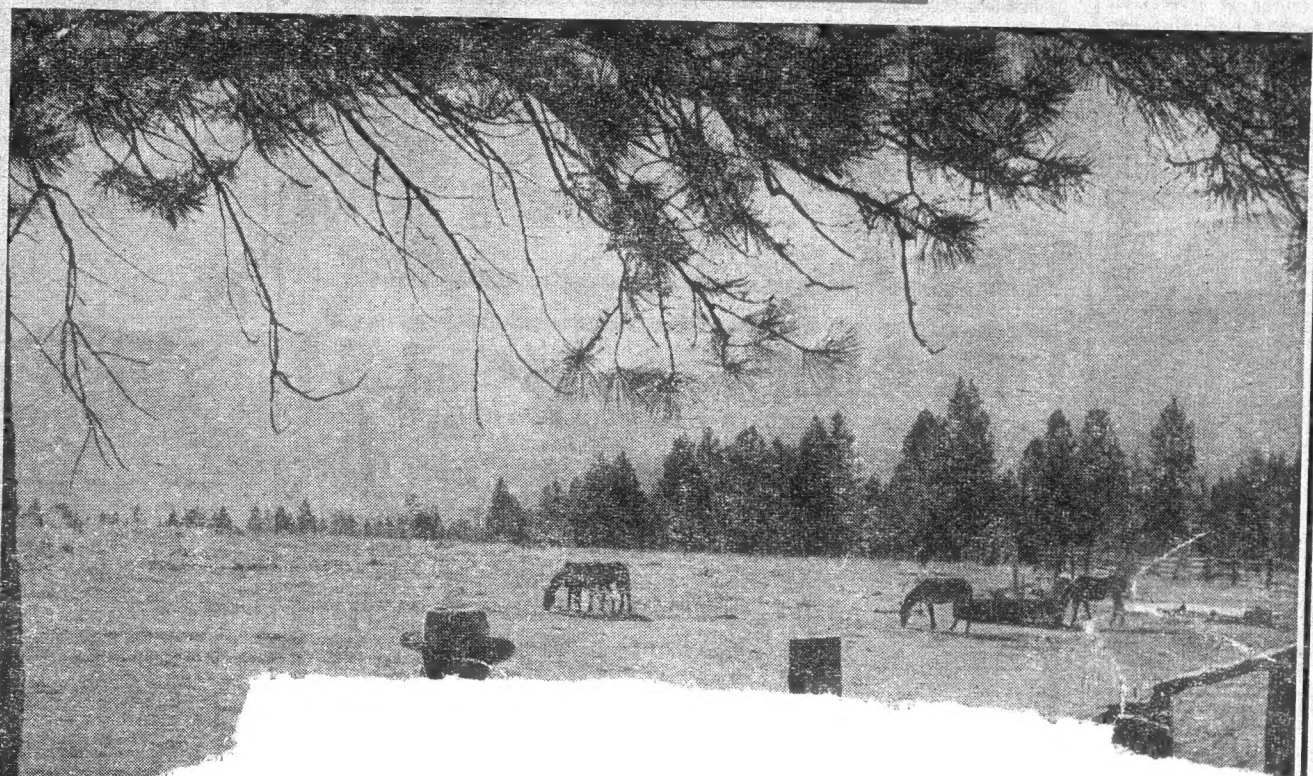
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*Amint. L. S. S. S.*  
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*Agri.*

# Farm and Ranch REVIEW

November  
1949





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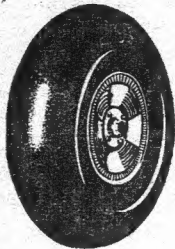
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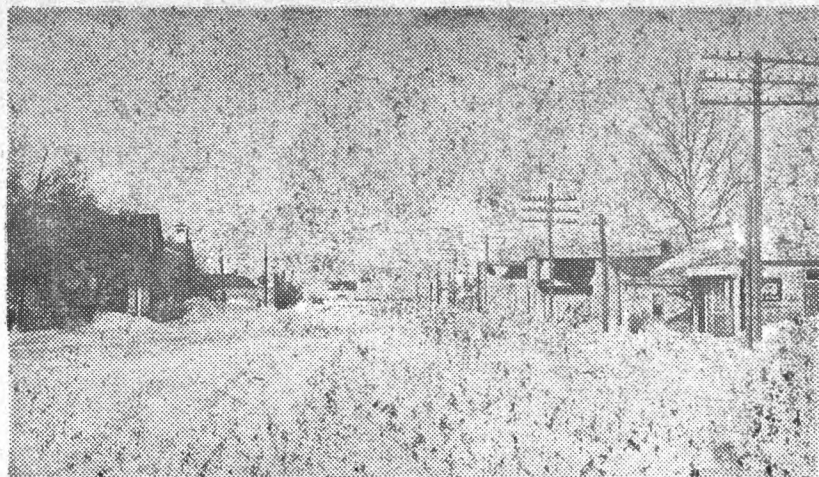
**WINDSOR  
COBALT  
IODIZED SALT**

A Product of

**CANADIAN INDUSTRIES LIMITED**

**SALT DIVISION**

## Winter Street Scene



The main street of Margo, Sask., and of many another prairie town, gets to look like this along in December. This picture was taken by George Almusa of Margo, Sask.

## 2-month course in farm mechanics

A TWO-MONTHS farm mechanics course will be conducted at the Canadian Vocational Training School, Saskatoon. This course will be put on twice during the winter, the first class being from November 1 to December 23, 1949, and the second from January 3 to February 25, 1950. The purpose is to develop mechanical skills for use on the farm. Instruction will be in practical shop work accompanied by lectures in certain subjects.

### Motors and Tractors

Maintenance and repair of gasoline and diesel engines; motor tuneup; overhauling; timing; clutch, transmission, differential; fuels and oils.

### Farm Machinery

Maintenance, adjustments and repair of tillage, seeding, haying and harvesting machinery, spraying equipment, etc.

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Lectures on principles of successful farm machinery operation, selection of equipment, management for greatest efficiency, machinery in relation to soil conservation and land use; home water systems, etc.

The course is available to young men between the ages of 16 and 30 years. There is no tuition fee charged, while all tools are provided. Students should bring suitable work clothes.

This course is part of the Dominion-Provincial Youth Training Program conducted through the University of Saskatchewan and is under the direction of the Minister of Education, Regina, and the Minister of Labor, Ottawa.

Further information and applications may be secured from L. C. Paul, Extension Department, University of Saskatchewan, Saskatoon, Sask. When writing for application forms, please indicate whether you wish to attend the first or second class; this is important because of the limited class-room accommodation.

## W.I. leadership course attracts 80

EIGHTY members of Women's Institutes in Manitoba attended leadership courses held at the Agricultural and Home-making School, Brandon, October 31 to November 4. The course was designed to assist members with club work in general, including the conduct of meetings, speaking in public, and making reports.

## Farm and Ranch Review

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CALGARY, NOVEMBER, 1949

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# Farm and Ranch Review Editorials

## A "tough-guy" is appointed where a "tough-guy" is desperately needed!

It is just possible that the appointment of Mr. Donald Gordon as president of the Canadian National Railways may be a great thing for the railways and for Canada. It is also possible that the appointment, in the light of history, may be adjudged a mistake. On balance, we are inclined to go along with the Government—with our fingers crossed.

We have never been numbered among those who have regarded Mr. Gordon's economic theories or olympian pronouncements as being divinely inspired. Rightly or wrongly, Mr. Gordon has been credited with the authorship of Canada's original wartime rigid wage-price ceiling policy. That policy had this to be said for it—it demonstrated the wide gulf that exists between ivory tower economic thinking and the politically practical. The Gordon policy was to have been the rock on which our whole wartime economy was based. Instead it became the starting point of a continuing series of retreats, withdrawals, surrenders and very often disastrous routs.

It is perhaps unkind to recall these things now. In times of war the judgment of even the most learned of men is often less useful than that of the village idiot. The march of events makes most of us look foolish. Wartimes are ad-hoc times, when we do the best we can with what we have, hope that if one policy doesn't pan out something else will. We try anything once, we veer and swerve and twist and turn, landing sometimes on our face and sometimes on our feet. And because all this is so, we don't see much point in using Mr. Gordon's appointment as an excuse to pillory him for the mistakes of his wartime policies.

Nevertheless, this must be said: The price-wage ceiling policy was a political and economic blunder of the first water in Western Canada. It attempted to freeze the prices of the producers of the prairies at levels established by the worst agricultural depression in 300 years. That such a policy failed to be carried through can be attributed to the strength of Western agriculture; and to the never ending efforts of the minister of agriculture, Mr. Gardiner, to achieve simple justice for our producers.

It is from Mr. Gordon's efforts in retreat that we learn something of the stuff of which he is made. He is a masterful, stubborn, confident, sometimes arrogant, courageous, honest and patriotic citizen of very substantial intelligence. And it is the very qualities which were a liability to him as price and wage czar that will be

most useful as president of the C.N.R. The best description of Donald Gordon is that he is a "tough guy" and he is just as tough mentally as he is physically. Nobody is going to push him around, and once he gets an idea in his head nobody is going to divert him very far from the course that idea dictates.

And at this stage of our history, our railways are desperately in need of a "tough" hand at the wheel. What the railways need is a hand tough enough to grab them where it hurts and shake and shake until the deadwood and barnacles have been loosened and signs of life appear.

To many Canadians, there doesn't seem to be much wrong with our railways that a reduction of one-third in staff would not cure. There are thousands of hard working, conscientious and able people em-

ployed by the railways. Make no mistake about that. But no enterprise in Canada, not even the civil service, yields anything to the railways, in the percentage of drones and incompetents who have got on the seniority escalator and are riding, semi-consciously, to the top.

Given a free hand, Mr. Gordon at 47 has the youth, the vigor and the stubbornness required to do an immense job of deadwood cutting on the C.N.R. And of course anything he does is bound to be reflected in the operations of the C.P.R. But in an even more important field, he alone will be almost powerless to make much headway. That is in the higher reaches of the boards of directors, where the dry rot is deepest.

It has come to pass in Canada that policy making, not only in railways but in big business generally, has passed into the hands of boards of directors who are not only beyond their prime of life but lacking in faith, imagination, daring, and, we began to suspect, even interest beyond the balance sheet. Too many of them publicly deplore "security thinking" by the general public and then subordinate initiative, enterprise and everything else to safety and security in corporate affairs.

Neither the railways nor this country was built by timid souls whose idea of meeting a crisis was to run off and hide. They were built by men of burning faith who had vision that saw across prairies and over mountains. They regarded railways not only as common carriers but as empire builders for one went with the other.

They have been succeeded by men whose attitude has been negative to the point of unconsciousness. Apathetically defeatist, they watched the railways

most lucrative traffic being skimmed away by trucks, buses, airplanes and motor cars. They can view with unconcern the prospect of losing the great bulk western oil transport to pipelines. Elementary enterprise would have put the railways into the pipeline business. Instead it will now go to competitors, financed largely by capital supplied by life insurance companies.

The inertia at the top has spread through the systems. The railways which were born to develop Canada, and particularly the West, have become dead hands upon our economy. Nothing is more necessary for our sound growth than the development of secondary industry on the prairies. Yet instead of actively encouraging industrial growth, the railways with their antiquated rates systems, arbitrary rulings and their seemingly downright antagonistic approach, are the greatest handicap local industries have to contend with.

No one man on one railway can cure these deep-seated troubles over night. But Mr. Gordon has an abundant strength of character and, with a mind unhampered by railway prejudice, unfettered by railway tradition, happily exempt from railway inertia, he can surely breathe new life into the Canadian National Railways.

## Here is the real \$64 question

*The next time anybody tries to tell you that Canada can get rich by exporting our raw materials, aside from food, ask him this question:*

*"Please name one country, in the whole of recorded history, that achieved an enduring prosperity by permitting foreign capital to export its raw natural resources!"*

Through a combination of strong trades unions below and weak boards of directors at the top, the railways today are largely deprived of the fruits of technological progress. So widespread is the practice of forcing railways to hire people for non-existent jobs that a new word has been added to railway parlance. The word is "feather-bedding." It describes a job made obsolete by new inventions but which is filled and paid for nonetheless.

What is more these deadhead employees are paid upon the fictitious basis that they are skilled artisans whose work is important. That is to say, they are paid wages far above what the ordinary citizen who ultimately foots the railway wage bill is capable of earning at his trade or craft, for railway wages are notoriously out of line with those of ordinary occupations. It is small wonder, then, that the impression has grown that the Canadian



# Farm and Ranch Review Editorials

## The Customs Union argument spreads to Tulsa, Okla.

THE editorial from the Tulsa, Oklahoma, Tribune, which we are reproducing this month on page 7, is significant on several grounds. If the argument had been made for a Customs Union between Canada and the U. S. by a paper in New York, or Philadelphia or New Orleans we might have shrugged it off as a logical argument of special interest. Such cities are also great ports and depend on foreign trade for their lives. Anything that increases trade would be very good for them.

But Tulsa is located in the heart of an inland empire. It is in a great agricultural state and the centre of oil production. Both agriculture and oil, in the United States, are, to a substantial extent, protection-minded. For example: the use of E.C.A. funds to buy Canadian wheat has been strongly opposed by some farm-state Senators. The oil industry has recently been lobbying against the importation of oil into the United States. In all logic, we might have expected a Tulsa newspaper to reflect either or both of these views. Particularly so in view of the added fact that foreign trade is of very little consequence in the Tulsa area.

Instead, we have the *Tulsa Tribune* presenting the case for a Customs Union between Canada and the United States with great cogency. The heartening thing about such a development is the fact that it underlines a great awakening that is taking place. Americans are a notoriously insular people. For many years, the world outside was, to the average American, a vague wilderness about which he knew nothing and cared less. But two wars and a disastrous depression within a generation have combined to cause some cracks in the shell. Slowly, but surely, the American people are discovering that the world without is something they can ignore at very considerable peril.

Once they stop ignoring the rest of the world they cannot resist learning about it. They have discovered that beyond Canada lies Russia, and their interest in Canada has increased tremendously. The *Tulsa Tribune* editorial is a sure sign that interest is being followed by understanding.

Curiously enough, the *Tulsa Tribune* puts its finger exactly on the point that has been intriguing many a business man in eastern Canada — the big market. One reason why the price of everything we buy from Canadian manufacturers in Canada is high is the smallness of the Canadian market.

Under modern mass production methods, the biggest cost is getting the machines and readying them for operation. It costs a Canadian textile manufacturer just as much to get his patterns on his looms as it does his American counterpart. The American, however, can run off millions of yards of material from one pattern, spread his pattern cost over huge runs of material. The Canadian must get all his costs back from a much smaller

run. Hence his prices are bound to be higher.

But if instead of having a market of 14,000,000 people the Canadian mill could compete in a market of 150,000,000 he could reduce his prices substantially. The great Canadian distillers discovered this years ago and went into the American market. Mr. E. P. Taylor, the Ontario brewing tycoon, has been doing likewise. They are not worrying about their ability to compete with Americans. Neither are many other Canadian enterprises which have branched south. Neither should any of the rest of us.

To us, the cry that a Customs Union will turn Ontario and Quebec into industrial ghost towns is arrant nonsense. It is the answer of the timid and the blind to a problem they are afraid to face.

Canada has the raw materials, the skilled manpower and the power required to turn iron ore into rolled steel. We have got the technical know-how, the human resources, the energy. But for too long we have been blinded by the Canada-U.S.

## It sure is wonderful, but let's get to work!

NOW that the Dominion Government has bought the Canada Land acreage we hope that all concerned will devote less time to side issues and far more time to fundamentals. For the past six months the ownership of the title to this stretch of land has been magnified out of all proportion to its importance.

Irrigation is important. The conservation of our water resources is important. The greater density of population that results from irrigation is important. The higher productivity of irrigated land is important. The higher standard of living possible from successful development of irrigated land is important. All these things will come to pass in the West as irrigation spreads. And if the transfer to the Dominion of the Canada land tract speeds the development of irrigation we join with everyone else in shouting: "Wonderful!"

But behind all this, the forgotten factor in the irrigation picture, is the man with the long-handled shovel or the irrigation sprinkler. As any irrigator in the Lethbridge area will tell you, irrigation isn't something you can learn from listening to a five-minute radio speech, or from reading a short set of directions. It is a skill that can only be acquired by "doing" and by a high capacity for hard work.

If the West, particularly Alberta and

## Missing persons

FOR months the newspapers and radio have been telling us how wealthy Alberta has become as a result of its great oil discoveries. Everybody tells us Alberta is getting rich out of oil.

But where, we keep asking ourselves, are all the rich Albertans?

boundary that has been like a Chinese wall around our ambitions and our vision. When we talk of removing the wall, we worry ourselves to death about what will come into Canada. But we have given no thought whatever to the lush field that awaits us below the line once we get rid of the wall around our thinking.

True, we are peculiarly handicapped in Canada by having so much of our industry owned and controlled in the United States. Yet it seems to us that this handicap can be turned to advantage. American industrialists have for too long regarded their Canadian branches as mere appendages that produce profits in satisfactory volume. They ought to be made aware of the fact that Canada has a problem that was created in large measure by their investments in Canada; that unless they take constructive action to help solve this problem the profits from their investment will surely disappear.

We have got to expand our exports to the United States. If American capital were given clearly to understand that the Canadian market would be available to their Canadian plants only on condition that these plants increased their exports to the United States, we would get action. The publication of the *Tulsa Tribune* editorial is a happy augury. Enlightenment is spreading below the line and Canada ought to be taking full advantage of the fact, and aiding the process along.

Saskatchewan, are to get full advantage from irrigation two things are imperative. (1) Dry belt farmers must be sold on the idea of irrigation. (2) An irrigation school must be established where farmers can acquire the fundamentals of irrigating.

Let's face the fact that irrigation is abhorrent to many farmers. They regard it as something akin to daylight-saving time, a minor sort of sacrilege. They would prefer to eke out a sub-normal existence dry farming in Saskatchewan than move to Medicine Hat or Brooks and irrigate. Some means must be found of encouraging dry belt farmers to at least give irrigation a trial, to approach it with an open mind.

Once they have been sold, they have got to be kept sold. That will require a thorough understanding of irrigation cropping methods, crop rotation, weed control, use of fertilizer, and above all the acquisition of that sixth sense about water use that all good irrigators have.

Loaded as it is with money from the sale of capital assets, the Government of Alberta ought to use some of this money to establish an irrigation school at Lethbridge. Such a school could draw on the great wealth of irrigation knowledge that is concentrated at Lethbridge. It would be a great capital asset to the province and to the West for out of it would come farmers with the training needed to increase our production of wealth.

Education, in case the Government has forgotten, is a provincial duty and a provincial right. It seems to us that we have had enough speeches glorifying irrigation and pointing with pride. It's time we got down to earth and started the real work of making irrigation the success it can be.



# Canadian - U.S. Customs Union?

(Tulsa Tribune)

Now is the time for the United States to offer Canada a customs union. It is a golden opportunity. Let's not let it pass.

England's dollar shortage commands the attention of the world. The cure if any, is going to be long and difficult, for two world wars, the loss of colonies, and America's phenomenal industrial production have radically changed the conditions under which England once rose to a pre-eminent position.

But Canada is nearly out of dollars, too. Her cabinet is considering new restrictions on American imports and new limitations on Canadian travel in the United States in an effort to meet the drain. Such restrictions mean that the Canadian standard of living will have to drop. And that's assinine.

It's silly because Canada, unlike Great Britain, is not a water-logged economy, stranded on the beach by an outgoing tide of history. Canada is in its dynamic youth. Where Britain is population without resources, Canada is resources without population. Canada should be expanding, its standard of living moving upward. The currency and trade restrictions now being discussed in Ottawa are medicines (and doubtful ones) for the old and infirm, not for the young and vigorous.

## Fear Competition

Many Canadians, particularly in eastern Canada have opposed customs union with the United States in fear that free competition by American industries would destroy youthful Canadian industries. They point out that many American firms have been forced to establish branch factories in Canada to escape Canadian tariffs, and that if the tariffs were eliminated the Canadian market could be supplied from American plants staffed by American workers. This argument has some merit, but not much.

The five great Canadian industrial cities are Montreal, Toronto, Hamilton, Windsor and Vancouver. All of them are close to such great American industrial towns as Buffalo, Cleveland, Detroit and Seattle. The fact that these American centres have grown prosperous in spite of having practically all their market to the south of them demonstrates the natural industrial advantages of the Great Lakes and Puget Sound regions.

All of these Canadian industrial cities have water transportation which would carry their

products deep into the United States at freight rates most land-locked American industries can't enjoy. For example, Toronto products can be carried to Chicago cheaper than Minneapolis products, and a Vancouver factory can put its goods into Los Angeles at less haulage cost than any American plant east of California. It seems probable therefore that the stimulation Canadian industries would receive in being able to process their raw materials for a market of 60 million people, instead of for their present market of 14 millions, would more than offset rising American competition as a result of the elimination of tariffs.

## Days Are Numbered

At the present moment the United States is nearly self-sufficient. But the days of our self-sufficiency are numbered, and then we will need Canada's resources as much as Canada needs our markets. How much Canada and the United States can buy from each other to their mutual profit depends on how rapidly we can get tariffs down.

The centre of North America's newsprint industry swung into Canada, but only because newsprint was tariff-free. As Mesabi is gutted out we are looking to Canada for new sources of iron ore. But these will be used only if the ore can be delivered to our mills cheaper than American or South American ore. Alberta has oil. Some day this oil will find a lively market in the United States, but only if there are no tariffs to raise its delivered price above domestic or overseas crude.

That in Ottawa today new trade restrictions are being considered in an effort to conserve dollars shows how harassed statesmen are blundering in precisely the wrong direction. A Chinese wall is being built across a continent, both parts of which were designed by nature to be mutually complementary and mutually supporting.

## Both Will Suffer

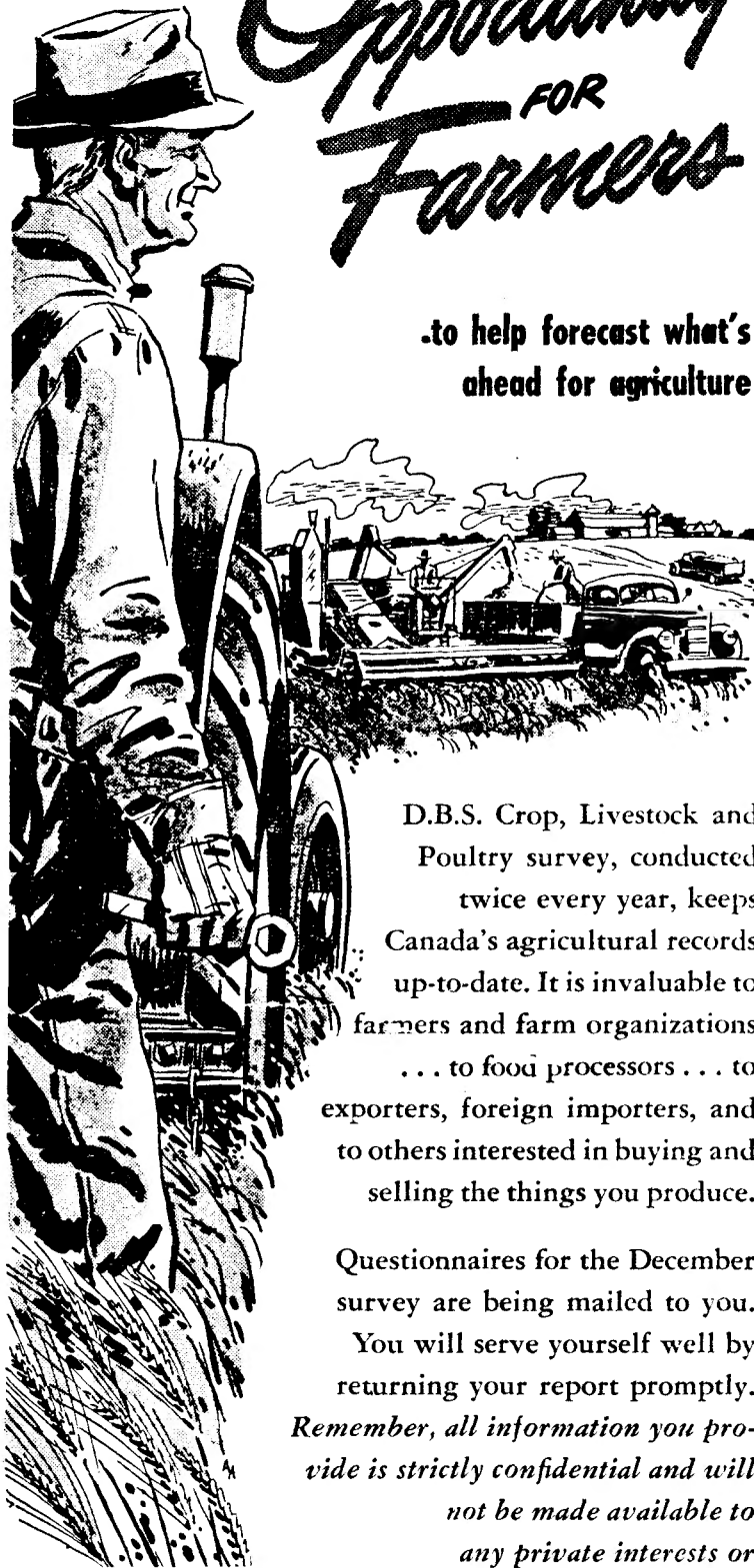
With a free flow of raw materials, finished goods and tourist trade back and forth across our boundaries both nations will prosper. Interrupt or impede that flow and both nations will suffer.

Let's not Balkanize North America because of the illness of Great Britain. It won't save Britain and it won't help us. The future prosperity of Canadians and Americans alike depends in large measure upon making an economic unity of that vast treasure house that extends from the Rio Grande to the Arctic Ocean. Let's move in that direction now.

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**DOMINION BUREAU OF STATISTICS**

OTTAWA, CANADA



# Here's how Saskatchewan Farmers beat the high cost of machinery

*By banding together into machinery co-ops they buy more equipment but reduce their investment per cultivated acre.*

By HAROLD E. CHAPMAN

Two groups of farmers near North Battleford, Saskatchewan, are accomplishing something which many people believed could never be done. Five years of successful operation have indicated a basis on which farmers, long regarded as "rugged individuals" could pool their machinery to work their individually-owned land co-operatively.

There are several reasons why this development took place in the North Battleford area, including the following:

1. The average cultivated acreage per farm is small, from 160 to 640 acres, with the result that the necessary investment in machinery per cultivated acre was out of all proportion to the potential output of the land.
2. During the war new equipment was very scarce and difficult to obtain and at the time of organization, most of the farmers were still using horses or old model tractors.
3. Much of the equipment was used for only a few days each year on the individual farm.
4. Shortage of farm labor during the war increased the need for organization.

The two groups of farmers near North Battleford discussed these problems in detail and voted in favor of organizing co-operatives for the use of machinery.

## Prize Picture



Mrs. Ethel Kerns of Wimborne, Alta., sent us this shot of a small daughter and a big dog.

One of these, the Mount Hope Agricultural Production Co-operative was incorporated in March, 1945, with 15 members, who operated approximately 3,600 acres of cultivated land. They commenced by purchasing shares in their co-operative on the basis of \$2.00 per cultivated acre. This money was used to purchase the machinery with which operations were commenced in 1945. In that year only part of the field work was done with co-operatively-owned equipment. However, the members gradually increased their investment in the co-operative and more machinery was accumulated, until in 1947, the co-operative did all the field work for its members.

preciation and interest on the investment. At the end of the year after all expenses of the co-operative have been paid, any surplus after the necessary reserves are set aside is returned to the members in proportion to the use they made of the machinery during the year.

In 1947 the average cost per acre to the members of the Mount Hope Co-operative was \$2.26 for seeding, summerfallowing and harvesting. In 1948 the cost was \$2.56 per acre, and while the costs for 1949 are not yet available, it is expected they will be somewhat higher because a heavier crop is being harvested than in 1947 and 1948.

The Mount Hope Co-operative is organized with a Board of

	Cost	Cost per Hour to Members
M. H. 55 Tractor .....	\$2,551.95	\$3.00
J. D. Model R Tractor .....	4,326.00	3.00
M. D. 15-30 Tractor .....	500.00	2.45
Separator .....	850.00	3.50
M. H. 14 ft. SP Combine .....	3,051.25	7.50
M. M. 12 ft. motor-driven combine .....	2,367.00	3.50
CCIL SP 12 ft. combine .....	3,969.95	7.50
CCIL 15 ft. swather .....	665.55	1.10
10 ft. power binder .....	500.90	1.80
14 ft. duplex cultivator .....	358.00	.60
10 ft. tiller .....	865.95	1.08
8½ ft. tiller .....	599.45	.80
18 ft. packers .....	171.00	.20
8 ft. rotary harrow .....	68.12	.10
14 ft. D. D. seed drill .....	493.05	.85
10 ft. D. D. seed fertilizer attachment .....	115.00	.30
14 ft. press drill .....	640.35	1.10
Breaking plow .....	200.00	.25
20 sections Diamond harrows .....	40.00	.10
3 sections Flexible harrows .....	47.40	.10
Rolling drawbar .....	40.00	.10
6 sections spring-tooth harrows .....	51.75	.50
5 furrow 16" plow .....	597.08	1.00
Weed sprayer .....	200.00	.25
Side delivery rake .....	280.00	.45
Automatic baler .....	2,125.25	2.50
3 - 5 HP stationary engine .....	175.00	.55
Grain crusher .....	100.00	.25
Seed treater .....	30.55	.....
	<b>\$26,098.05</b>	

At the end of 1948 the depreciated value of machinery owned by the co-operative was \$13,725.00. This machinery operated approximately 4,000 acres, making the investment by the members in their co-operative \$3.43 per cultivated acre. This investment provides the members with the use of a complete line of modern machinery and is only a fraction of the investment that those who were properly equipped as individual farmers had carried. This investment provides their co-operative with the equipment, with original cost and hourly charges to the members as indicated, by the accompanying table.

The members pay by the hour for the use of this equipment on their farms. The hourly rates are calculated to cover wages, fuel and repairs, as well as de-

Directors consisting of six members. It has a manager and a secretary-treasurer chosen from the membership. The manager is responsible for seeing that the equipment is kept in good running order. He also co-ordinates the movement of machinery between farms. The secretary-treasurer keeps the records which are audited each year by a qualified auditing firm in North Battleford. He receives the time sheets from the tractor operators and calculates the amount to be paid by each member for the use of equipment. In many cases the payments for the use of the equipment are made in advance.

Several meetings are held by the members of the Mount Hope Co-operative each year. Shortly after organization a chart was prepared indicating the route the machinery would take

## Prize Picture



Mrs. A. Neely of Elnora, Alta., had her camera handy when the family puppy got his first bike ride.

among the members. This route was calculated in order to reduce travelling to a minimum and each year the machinery starts at a different farm along the route. During seeding, the outfit visits each farm about three times. In this way no one member has all his crop seeded either early or late. Through the use of large machinery operating twenty-four hours a day the members have been able to finish their seeding before most individual farmers in the district.

The co-operative hires operators for the equipment. During the first three years these were hired from the membership. This year outside help was required for haying and harvesting.

General policies of the co-operative such as those dealing with the hourly rates or with the chart setting out the route to be followed by the equipment, are worked out at membership meetings. Problems arising between membership meetings are dealt with by the Board of Directors.

The Round Hill Agricultural Production Co-operative is the other farm machinery co-operative operating in the North Battleford area. It was incorporated in November, 1943, with seven members operating approximately 1,400 cultivated

(Continued on page 9)



(Continued from page 8)

acres. The membership has since increased to ten members. This co-operative owns one line of machinery and the members still do a small amount of the field work on their individual farms.

The depreciated value of the equipment owned by the Round Hill Co-operative at the end of 1948 was \$2,260.49. This provides an investment by the members of \$1.61 per cultivated acre and the use of a tractor, seeding and summerfallowing equipment, a binder and threshing machine.

This co-operative hires a man to operate and be responsible for the machinery. The manager, chosen from the membership, supervises the movement of machinery from farm to farm. The secretary-treasurer performs the same functions as that of the Mount Hope Co-operative.

The members of both of these co-operatives are very enthusiastic about the advantages they have gained from them. Since both are located in a mixed farming area, the members have found difficulty in maintaining livestock enterprises without very long hours of work or hired help being required during seeding and harvesting. With hired operators on the co-operatively owned equipment, the members are now able to devote more time to their livestock and other activities on their farms. The members of these co-operatives now have the use of a much more diversified line of farm equipment than they could afford to purchase previous to organization. The use of this equipment is made available at a very reasonable investment per cultivated acre on their part. This wide variety of modern equipment does a better job of cultivating their farms than was possible with a limited amount of equipment. Through organization such specialized equipment as a weed sprayer, seed treater, grain crusher and hay baler have been made available to them at cost. Older farmers, relieved of their field work, are able to continue farming, when if operating their own farms, they would have had to retire. At the same time these co-operatives have examples of young farmers who have been able to get started with only a small investment per cultivated acre in machinery.

Many groups of farmers in Saskatchewan are working together in the ownership and use of part or all of their farm machinery. However, the machinery co-operatives are providing the pattern of a legal organization through which groups of farmers can purchase and make use of farm machinery and which leads to a permanence that is usually hoped for, but not very often found, in the unorganized operations of this type.

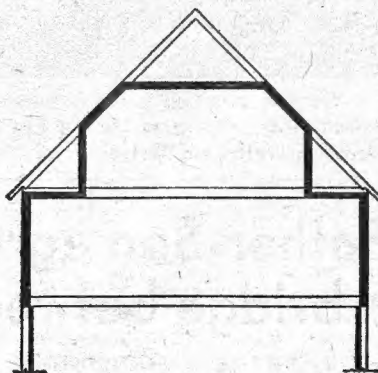
# Farm Service Facts

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## SOME STEPS IN MAKING THE HOME READY FOR WINTER

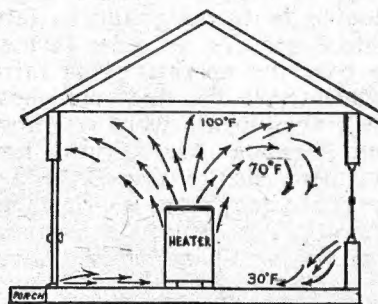


*For insulation to be fully effective, all walls and ceilings which separate occupied rooms from unoccupied cold areas or the outside should be insulated.*

Tests with typical two-storey five-room insulated frame houses with storm windows and weatherstripping around all doors and windows show that insulation can cut fuel costs more than in half. Average cost of coal per house for winter heating, when the tests were made was \$187 when these houses were not insulated and \$80 when insulated with 2½ inches of rockwool, or its equivalent, on walls and ceiling.

It is important to insulate all walls and ceilings which separate occupied rooms from unoccupied cold areas or the outside. Due to the difficulty in using suitable vapor barriers in many existing homes, it is important to choose an insulating material which will not absorb moisture to any large extent. It is important also that the material does not attract insects and that it is resistant to fire.

## WEATHER STRIPPING AND STORM WINDOWS SAVE HEAT



*Cold air outlets are more effective when located at the source of cold air, e.g. beneath windows, cold walls or near outside doors.*

A large amount of heat can be lost by air infiltration through loose fitting windows and doors, sagging floors and base boards. The greater the draft through these openings the more difficult it will be to obtain proper circulation of warm air. An eighth of an inch air leak around a door is about the equivalent of an opening four inches square.

Weather stripping around all doors and windows and installation of storm windows will save

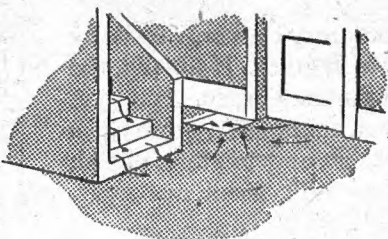
from 25 to more than 50 percent of the total heat loss, and give you more uniform heat.

## VENTILATION WILL STOP CONDENSATION IN ATTICS

Some householders in colder climates have trouble with frost accumulating on the underside of the roof and water dripping down on the ceiling when it melts. This condensation is of water vapor that passes through the ceiling and meets freezing temperatures before it can pass through the roof.

This trouble may be overcome by making openings for natural ventilation on each gable to permit air circulation through attic spaces. An opening of 1 square inch for each 4 square feet of ceiling in each gable is usually sufficient.

## COLD AIR OUTLETS HELP TO DISTRIBUTE THE HEAT



*Storm windows and weatherstripping prevent entry of cold air which makes drafts and low floor temperatures.*

If you are not obtaining full efficiency from your hot air heating system, the trouble may be due to lack of cold air outlets. Each heated room downstairs should have a cold air return grille and duct back to the bottom of the furnace casing. It should be located approximately opposite the warm air register, close to the outside walls, windows and doors to pick up the cold air. In upstairs rooms it is sufficient to allow the cold air to return down stairway to be picked up by a large register at the foot of the stairs.

## SOME FACTORS TO CHECK FOR EFFECTIVE INSULATION

Damp insulation does not have as good insulating value as dry, and some materials will decay and deteriorate under such conditions. This moisture comes from water vapor that is ever present in the air. It passes through most ordinary wall constructions from the warm to the cold side and it condenses to moisture when it strikes the cold outside wall.

Because of this water vapor, in new construction a vapor barrier is used to prevent passage from the inside of the house to the insulation. The barrier consists of a layer of waxed or asphalt-impregnated paper, placed on the inside face of the studs directly underneath the inside sheathing. Most insulation of the batt or quilt type has a waxed paper on one side. It is important that the waxed paper be placed on the warm side of the wall or ceiling.

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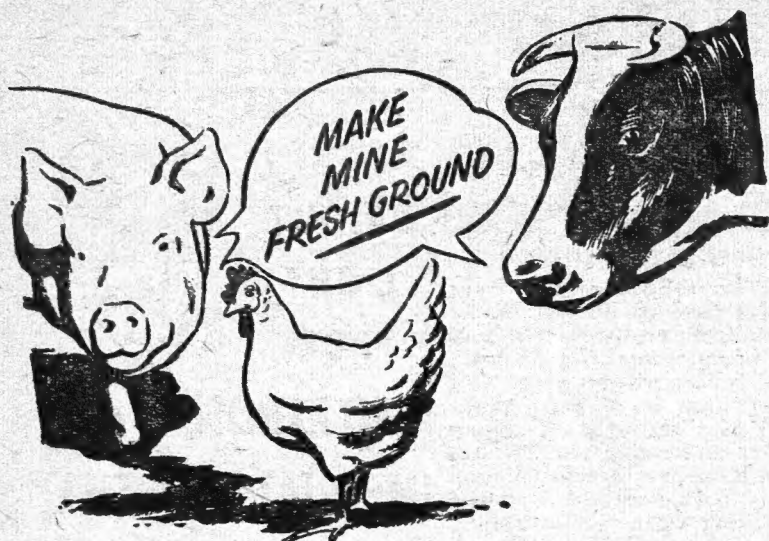
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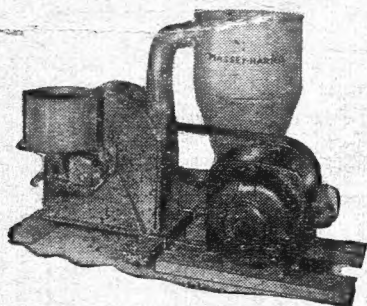
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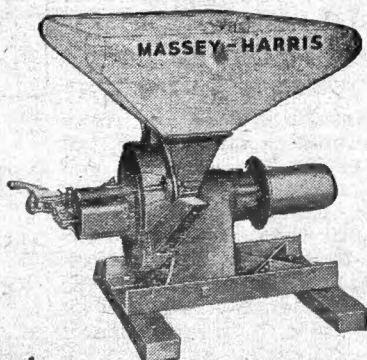
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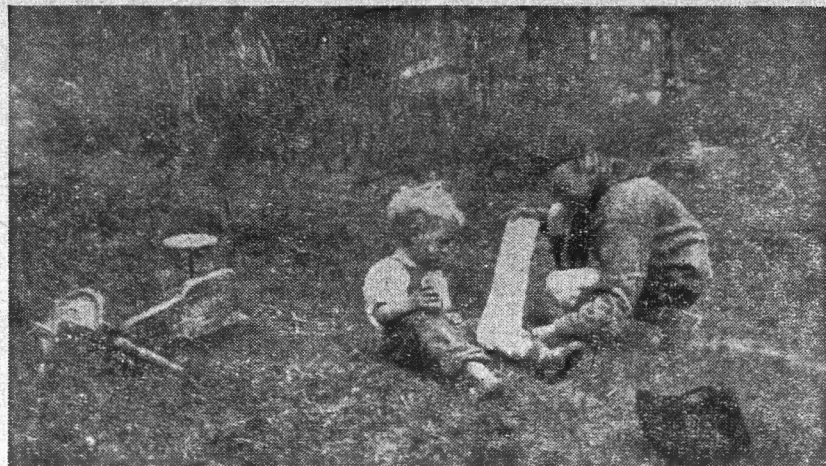
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## Do-Gooder



We like paying \$5 for pictures like this, taken by Mrs. H. Sanders of Nelson, B.C. Gerry is having fun acting as the victim while brother Ray practices Wolf Club first aid.

## Father-Son agreements provide a bridge between generations

By FRANK D. HANSING

**M**ANY farmers' sons who want to make a career in agriculture find the problem of getting started almost impossible to solve. Consequently, many of them leave the farm to work in the city. How to make it possible for these boys to become farmers is a major tenure problem.

The problem these boys face breaks down into three phases: (1) getting experience for managing and operating a farm; (2) getting capital for livestock and equipment; (3) finding a farm. The problems, of course, also concern parents. In recent years, many parents have sought a solution in father-son agreements through which the son shares in the farming operation and eventually acquires land of his own or an ownership interest in the place.

These agreements take several forms but basically all of them have the same objective—to help the son acquire the skills and capital needed to get started in farming and to provide a way for an older farmer to continue operating his farm efficiently. To find out how such agreements were working, the Virginia Agricultural Experiment Station and BAE last year studied some of those in operation in Augusta County, Va., in the Shenandoah Valley.

### Study 90 Agreements

One out of every ten farms had some kind of working agreement between father and son. Detailed studies were made on 77 of these farms on which 90 sons were working with their parents under some type of father-son agreement. Agreements varied greatly but in general they fitted into four main groups, according to the method of sharing income. These groups were: (1) Wage agreements; (2) Agreements for sharing income from one or more of the farm's enterprises; (3) joint operation agreements in which total farm income is

shared according to an agreed division; and (4) profit-sharing agreements approximating a partnership. In one case, the son was cash-renting the farm from his father.

In most cases, the sons began at one of the two lower stages and then advanced as they grew older. While not all sons went through different types of agreements, enough of them did to indicate that father-son agreements frequently are developed in this way.

### Apprenticeship Stage

In the first step, the farm boys began an apprenticeship under their fathers, usually on a wage or enterprise basis. Under this agreement the father had an opportunity to find out whether his son was interested in and capable of operating the farm. It also gave fathers and sons a chance to find out if they were likely to get along together. These agreements were temporary and could be ended on short notice without much hardship. Eighteen sons on fifteen farms were working with their fathers on a wage basis. These boys had been in this stage an average of 3 years. Their average age was 24 years and that of their fathers 56 years.

Twenty-seven sons on twenty-four farms were operating with their fathers under the second type of agreement—sharing income on an enterprise basis. These boys had spent an average of 5 years under an agreement with their parents. Twenty-three of the twenty-seven boys started directly on an enterprise basis. Many of them could skip the wage agreement stage because they had acquired considerable experience in handling an enterprise while taking part in 4-H or FFA projects and already had accumulated some livestock. Sons on an enterprise basis averaged 27 years of age and their fathers 58 years.

The greatest difference between the wage and enterprise



groups was in the ownership of personal property. Only 6 per cent of the sons operating under wage agreements owned a share of the personal property compared with 93 per cent of the sons in the enterprise group. None in either group had any equity in real property.

By the time the sons reached the joint operator stage, they were older, more experienced and had accumulated considerable working capital. Consequently, they shared more in managing the farm. Ninety-

partnerships, but resembled them closely.

Profit-sharing arrangements were used by 11 sons on 8 farms. Three began under profit-sharing arrangements. Two had advanced directly from wage agreements and one from the joint operator stage. The stages through which the other five had passed could not be determined although there was some evidence of advancement. The 11 sons had worked under some type of arrangement for an average of 13 years.

## How to ruin a good farm

**H**ERE is one way that a successful, competent owner-operator can wreck a good farm:

1. Hang on to it until you die. Don't make a deal with your son.
2. Sell farm at inflated price to the boy on the farm. That will load him up with a heavy mortgage.
3. Feeble management in your older years, plus handicapped management by your son, will wear the place down.
4. Next period of low prices may finish the wrecking job.

Settlements can be made that are fair to the farm, to the family, to the son who stays on the farm, and to the older people who retire.

Settle the future of the farm now, while you can still make sensible plans. Come to an early agreement with the family.

Read this article for suggestions.

four per cent of them owned a share in at least a part of the personal property.

Thirty-three sons on twenty-nine farms were operating under this type of arrangement. Nine had advanced directly from wage agreements while one had gone through both the wage agreement and enterprise stages.

The 33 sons had worked under some type of arrangement for an average of 9 years. Their average age was 31 years while their fathers averaged 62 years.

Sons operating on a profit-sharing arrangement had acquired sufficient capital and experience to take over the majority of the farm business. These agreements were not legal

The most significant difference between this and the joint operator group was that the sons did practically all of the managing. They also had acquired larger equities in the business — 91 per cent owned a share of the personal property and 73 per cent owned a part of the real property. Sons operating with this type of arrangement averaged 35 years, the oldest of any group. Their fathers averaged 66 years.

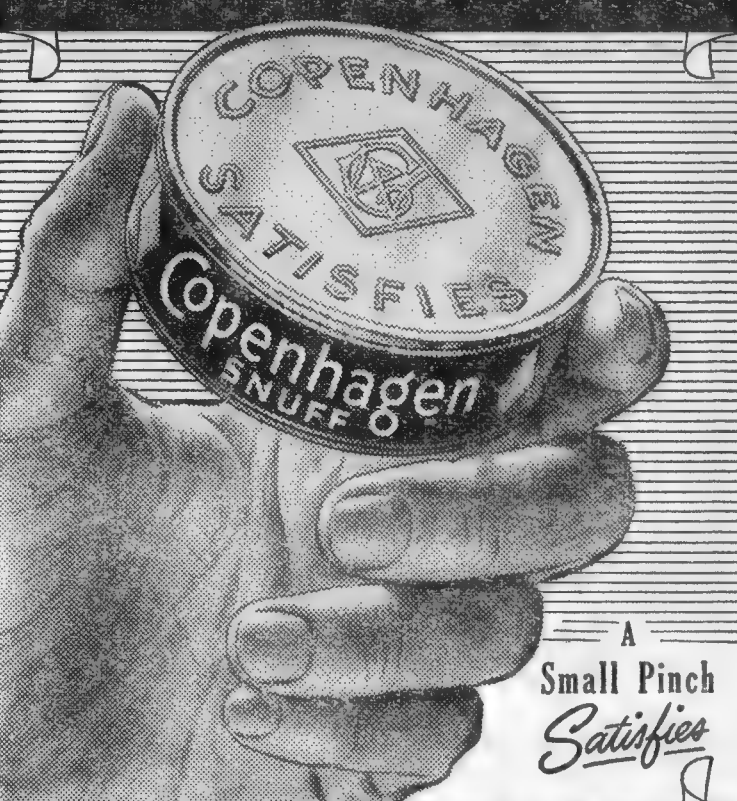
The 4 types of agreements were helping fathers and sons work together to overcome the obstacles to getting the younger generation established in farming. They helped bridge the gap in operation of the family farm from one generation to the next.

## Rancherless



Photo by Clemson.

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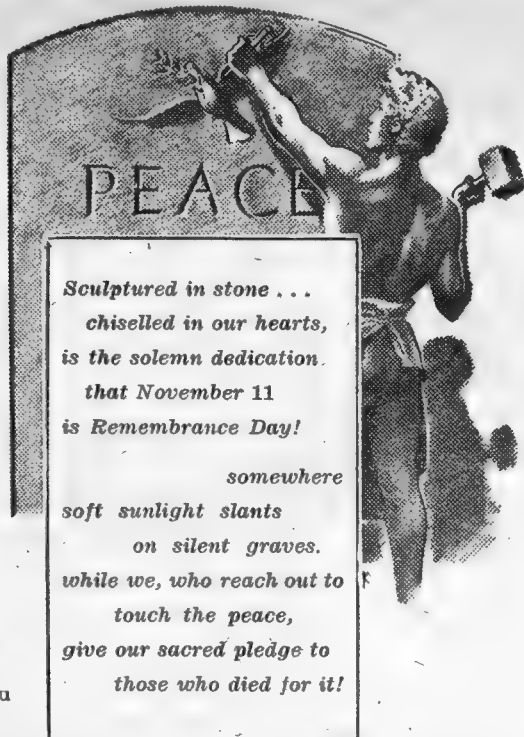
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*somewhere  
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on silent graves.  
while we, who reach out to  
touch the peace,  
give our sacred pledge to  
those who died for it!*

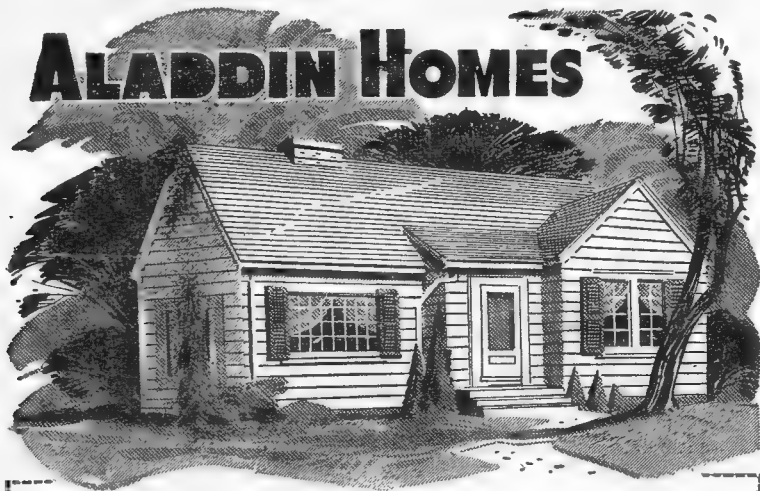
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## Complete Confusion



Mrs. M. A. Neely of Elnora, Alta., snapped this picture of a school picnic and caught the spirit of the occasion perfectly.

## Income tax picture— 1949 version

By JAMES R. McFALL

THE levying of income tax as a source of revenue has been practiced by the Canadian Government to a greater or lesser degree for many years. The basis for establishing the tax, that of net income, has always remained the same, but the rules for arriving at the net income have been subject to many changes.

Prior to the early 40's the farmer seldom appeared in the tax arena. The reasons for this are many, the main one being low rate of net income, coupled with wide range of exemptions. The advent of the second world war, however, which was accompanied by higher prices for farm products and a decided reduction in personal exemptions, placed a high percentage of Alberta farmers in taxable brackets.

At this stage we ran into trouble and farmers were blasted from here to "Kingdom Come" for not playing the game, for evading income tax and what not. This situation was "duck soup" for certain members of the press and those who enjoy writing copious letters for publication. Their last interest was in the facts of the case when distortion proved so much more spectacular.

Who was to blame?—No one individual, group or department, but many can be charged with the obvious lack of foresight and planning. Let's attack the Government first, as is the usual practice. We stated earlier that prior to the early 40's few farmers were affected. Low income, a wide basis for exemption, together with low rates of taxation, made it almost worthless for the Income Tax Departments to enforce the existing regulations. Consequently, with the changing of the picture they had no true conception of the tax situation in relation to farmers and could not tell whether the attacks from other branches of industry were merited or not, but they did not worry too much. They made no

strenuous efforts to educate the rural public as to its responsibility but sat back secure in the knowledge that the law was on their side and it is up to the individual to know this law and live up to it.

The farmer, of course, is notorious as being a poor bookkeeper. We might offer excuses for this and some of them would be quite legitimate. Basically, he is as honest as the members of any other section of

#### Put it this way:

"There is a lot to say in her favor, but the other is more interesting."

—Mark Twain.

our society, but we'll admit he is at fault when it comes to poor bookkeeping.

Nor are farm organizations free from blame. Their leaders should have recognized the situation in the beginning. Following this had there been consultation and discussion to allow for the removal of some of the discrepancies and had a combined approach to the question of education been made, our people would have been informed before the squeeze was made. Thus, if the foresight of Governments, farm organizations and the individual farmer had been up to par, many a heart-ache, headache and much downright hardship would have been avoided, to say nothing of the misunderstanding which prevailed on the part of the general public.

The foregoing has been in the nature of background material but we would urge you to take special note of the following. First remember, for your own protection, that your income tax statement should be filed on due date, April 30th of each year. Secondly, we are happy to report that basic exemptions have been increased for 1949.



## They are:

1. Basic exemption for every-one .....\$1,000
2. Additional exemption, if over 65 ..... 500
3. Married, or equivalent, additional exemption ..... 1,000
4. Exemption for children qualifying for family allowance ..... 150
5. Exemption for children not qualifying for family allowance and under 18 years of age, or under 21 if attending school or college, or if mentally or physically infirm of any age ..... 400
6. We can add here that dependents may be paid a salary for work done up to \$500 without affecting their status as a dependent.

Farm organizations have pressed for greater exemptions on the grounds that the previous allowance in the face of living costs was not sufficient. It would be giving undue credit to say that their presentation was responsible for the present increased exemptions, but one can say without fear of contradiction that farm and ranch organizations were responsible for the recognition and establishment of the basic herd principle, the averaging of farm income for the spreading of loss in operation over a period of years, as well as recognition of the fact that the farm residence is more than a domicile and subject to depreciation in part as an expense.

## Basic Herd Principle

The Directive that defines the operation of this principle was made public in March of this year. It recognizes the principle that a large portion of the livestock on farms and ranches is used in the production of a cash crop and therefore those animals so classed are a capital asset and will be treated accordingly when sales constitute a reduction or dispersal of their number.

With the adoption of this principle it means that every farmer or rancher interested must make application to establish a basic herd. Time will not permit a detailed discussion of this question. Suffice it to say, it is in the interest of the producer to take full advantage of the basic herd principle without delay. It not only allows for repayment of over-taxation in recent years because of sale of breeding stock, but it protects the stockman in the future. Full details can be secured from the Alberta Federation of Agriculture, the Western Stock Growers or the Income Tax department.

## Spreading of Operating Losses

Farm income is closely allied to weather conditions and other natural hazards. The result can be definite loss in operation or a high rate of income. Recognizing this fact, the Government has made it possible to apply operation losses to years of higher income. As an example, a farmer experiencing a loss in 1949 can charge the amount of that loss to income of 1948 or 1950-51-52.

## Averaging Farm Income

Recognizing still further the instability of farm income, the Government at the continual request of farm organizations, has made it possible to average farm income over a period of four and five years.

Commencing with 1949, if the farm taxpayer so desires he may go back and average his income for 1946-47-48 and 1949. The tax then paid for 1949 will be based on the average of the four years.

Following the present tax year the averaging will only be permitted on a five-year basis. To take full benefit of this practice the taxpayer will be required to file his statement each year whether he is taxable or not. Regular filing will also be required of those taking advantage of the basic herd principle. This, in the writer's opinion, is necessary and in the long run, will protect the individual.

Before filing your request to average your income or to determine in what year after 1949 you wish to start averaging you should take a pencil and paper and make a few calculations. From your records you can ascertain your net income after subtracting expenses. From this amount subtract any operating losses which may be applicable, monies donated to charity and allowable medical expenses. The figures obtained in like manner for each of the four or five years are then averaged and you have your average income for the period of years.

With these figures available it is simple enough to determine the tax payable in each year on the basis of the average income. With a little further calculation one can determine whether he should start averaging now or delay its operation until a later date. We mention this because the rate of taxation in 1946-47 was much higher than that of the last two years and if the bulk of the income was derived in the latter years averaging may turn out to be a costly venture.

We haven't mentioned depreciation on the farm residence, nor many other features of the income tax regulations as they are all available either on the statement itself, or they can be found in the Income Tax Guide.

Our closing note is that farmers through an organized approach to the income tax question have made remarkable strides in arriving at a practical and equitable application of income tax regulations. We have received splendid co-operation from local Income Tax authorities and have been able to cultivate a relationship of friendliness and understanding with them. But all of this does not exempt the farmer from the necessity of keeping as accurate records of his farm business as possible nor from the responsibility of filing his yearly income tax statement on or before April 30th.

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# Nettle-beer and weed ointment can be western farm by-products

By **KERRY WOOD**

(Author of Three Mile Bend, Birds and Animals of the Rockies, A Nature Guide for Farmers.)

THE other night we crushed dried parsley on the kitchen table, the whole room fragrant with the pleasant perfume. Some friends came in to visit us and, to our amazement, declared they had never used this common garden garnish. They were apartment-dwellers without a garden of their own . . . thereby missing one of life's greatest pleasures! But it was a surprise to discover someone unacquainted with Parsley, best known member of the herb family.

Nowadays we use the curled leaves of this delightful plant mostly as a savoury addition to soups, stews, and salads, but in early times parsley had a deeply religious significance in old ceremonies. It is still used in many parts of Europe as a foliage wreath to place on graves. Long before being employed as a culinary herb it was valued for medicinal reasons — the drug apiol is extracted from parsley, which is rich in iron and other vitamins. As a "simple" or home medicine, parsley has always been associated with remedies prescribed for kidney complaints.

Another garden herb found in almost every farmer's yard is the Mint: for making sauce used with roast lamb, and for cooking with green peas to add a zestful flavour. The early Romans valued this plant as a house deodorant, crushing the fresh leaves and sprinkling them around their rooms. Then they began using mint as a mild-non-alcoholic stimulant, and soon discovered that the plant possessed strong medicinal powers for the relief of digestive disorders. Mint Tea is still a potent remedy for a severe stomach cramp; it is made by pouring boiling water over fresh or dried mint leaves, leaving the potion to steep for five minutes before drinking.

## Onions and Garlic

Onions probably belong to the herbal lists of long ago, with garlic the great favorite of all Mediterranean peoples. Once called the Leper-plant because infusions of garlic were used to bathe leper-sores, garlic for a time became a sort of leper's badge — the pungent garlic smell notifying the passers-by that this odorous man, or woman, was suffering from the dread disease.

Later on garlic came into general use, not only to add flavour to fish and meat dishes, but as a medicinal plant useful for treating colds and bronchial ailments. Asthma sufferers used to keep a garlic clove handy in their handkerchiefs, sniffing the crushed clove at times in the belief that it eased their shortness of breath. Garlic water

became a home antiseptic and wound wash.

Other members of the onion family soon gained favor for medicinal purposes, as well as for eating. Some of us still have great faith in a raw onion sandwich when a head-cold first starts — this simple remedy has cured many a cold for me. Even the purple-flowered Chive or Baby Onion is liked by many for cold treatments, though this mild little fellow hasn't anything like the vigor of its larger relatives.

One Czech lady who now lives on a Canadian farm always keeps a fresh-cut onion or bunch of Chives hanging inside her kitchen door — to prevent cold germs from entering her home! Old faiths die hard.

Dill, the herb most people associate with cucumber pickles, was originally used for its medicinal properties rather than as a pickle-spicer. Water in which Dill had been soaked was drunk as a cure for stomach disorders, while a stronger concoction made by boiling Dill in water was once believed an excellent cure for insomnia. The Romans used Dill to sharpen the appetite; later, they employed it as a sauce flavouring for serving with fish.

We think of our culinary herbs as only of garnish and flavour worth today, but most of them were once greater valued for other purposes. The common Thyme, a fragrant plant, was once used as a house disinfectant — its smell thought to be offensive to flies and mosquitoes. Thymol oil, extracted from Thyme leaves, was and still is employed in making antiseptics, as well as being used for bronchial medicines.

## House Deodorant

Savoury was another herb used as a house deodorant, besides being favored as a medicine for stomach cramps. Sage was one of the earliest herbs used by man, with Greeks, Romans, and Hebrew peoples employing it freely in cooking and for medicines. Sage tea, made by pouring boiling water over fresh or dried leaves, is considered a fine tonic for a run-down condition. Some use sage water as a gargle for sore throats. It is also said to be useful as a nerve tonic — making a tea from the leaves and allowing this tea to stand a couple hours before drinking.

Then there is the common Shepherd's Purse weed, valued as a mild stimulant and for kidney disorders. Even Couch Grass has valuable medicinal properties for the treatment of bladder ailments, and this plant is still in demand by herbal

pharmacists. The root rhizomes of couch grass contain the medicinal powers. Chickweed, too, has its worth: take half a pound of the leaves, green or dried, and boil with a pound of mutton fat; strain and place in containers to harden, then use this Chickweed Ointment for easing the itch of exzema or other skin irritations. Sometimes a poultice made from Chickweed was placed on rheumatic joints to ease the pain.

## Nettle Tea and Beer

Beyond the garden wall you'll find Stinging Nettles — very good for making Nettle Tea, one of the best of herbal tonics. Our forefathers made Nettle Beer, which was reputed to be a healthful drink. Nettles contain iron, sodium and lime, so there can be no doubt about this plant's medicinal value. The white-headed Yarrow is classed as one of the finest of blood staunching medicines; in days of yore the quack doctors and old wives who dealt in "simples" or wildwood medicines sold Yarrow Ointment for the cure of baldness!

Tansy, a yellow-flowered weed that is now well established in many western districts, provides a medicine effective as a worm-dispeller, while Tansy Leaf Tea is still used in the treatment of colds. The bruised leaves of Plantain have a most healing effect on sores and cuts and bruises, while young plantain leaves make a delightful and healthful wild spinach. Purple Bergamot was once a favorite Indian medicine, called Oswego Tea. They used Bergamot for the treatment of sore throats.

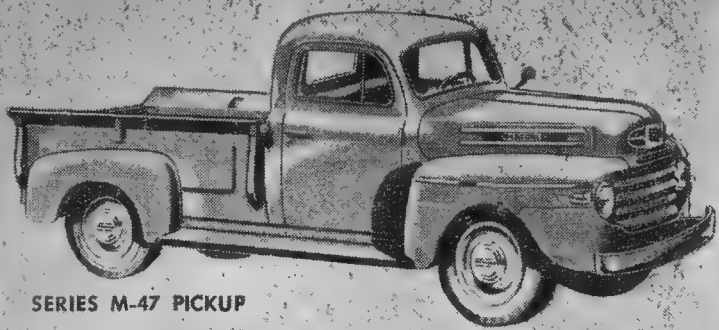
The common Hyssop, known for its liquorice flavoured leaf to farm boys all over Western Canada, has an honored place on the herbal list. It was once called the "Holy Herb," used in purification ceremonies in Jewish and Roman temples. The oil extracted from this roadside flower is used to add a pleasant scent to perfumes, while Hyssop Tea is an old "simple" employed as a relief for bronchial troubles.

All this started from the canning of dried parsley on the kitchen table! Here's hoping you have a plentiful supply to add flavour to your next pot of broth.

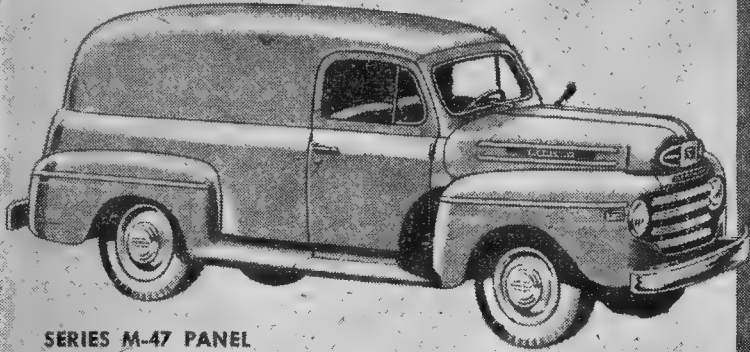


"If they don't get the jack fixed pretty soon I'm quitting."

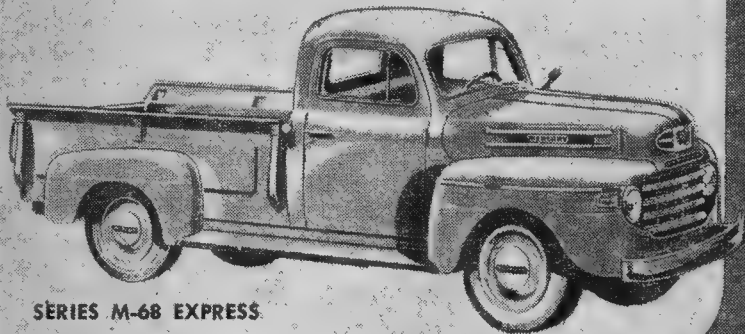




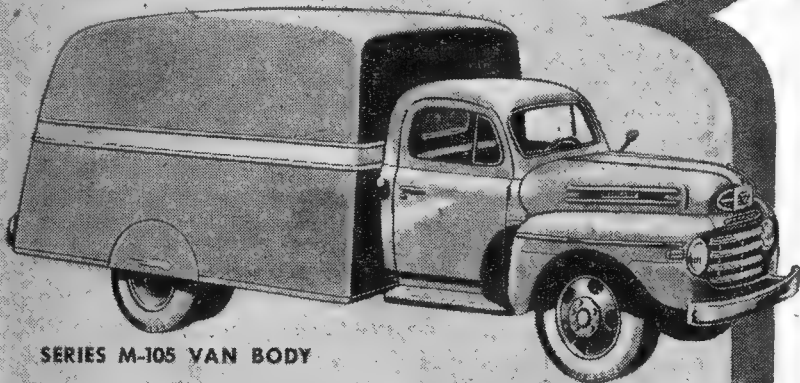
SERIES M-47 PICKUP



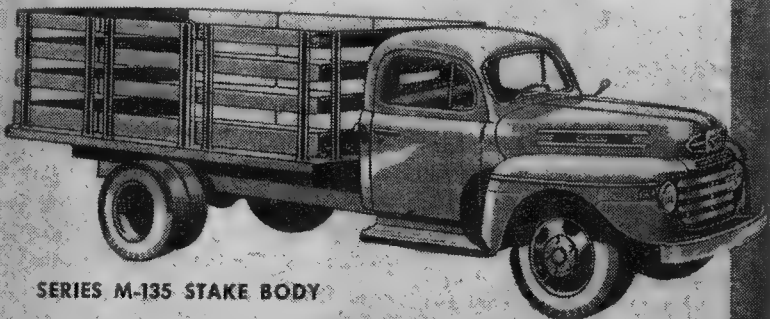
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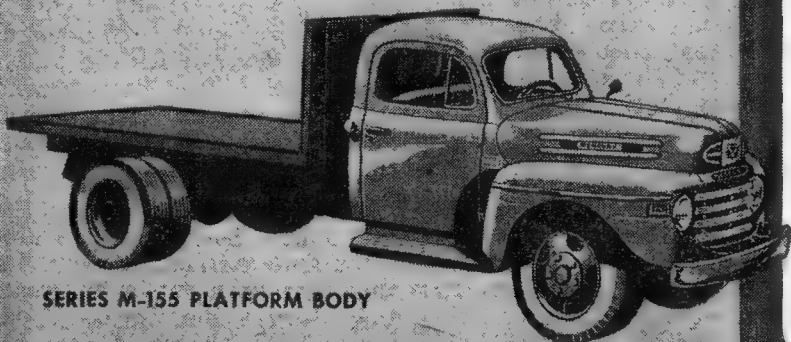
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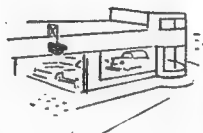
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## Riding Tandem



Photo by Clemson.

## B.C. ROUND-UP

### Optimism grows in the Cariboo; crops were good all over B.C.

By A. J. DALRYMPLE

NEW records were chalked up at the 12th annual Cariboo Feeder and Fat Cattle Show and Bull Sale, at Williams Lake, Oct. 13 - 14, when 3,368 head sold for an average of \$145.60, and a total of \$489,495.36.

Total cattle in 1948 was 2,500; and 2,700 the year before. Seventy Hereford bulls brought an average of \$502 with a top price of \$950. The high animal contributed by Bridge Lake Hereford Ranches, was Bridge Lake Domino, bought by Gus Piltz, veteran rancher who ranges far in the mountains, about 90 miles from Williams Lake.

Prices ranged from a low of \$10.10 for a lot of 25 cows to \$21.60 for 20 steers produced by Gus Piltz. The junior calf prices ran from \$20 to \$60.

Williams Lake folk tell you that theirs is the largest cattle shipping point in Canada; and they were proud of that fact that the sale of cattle and bulls rang up a grand total of \$525,000. To this may be added another half million dollars for cattle shipped out during the spring and summer.

General satisfaction was expressed with prices received; but there were some who thought that 3,368 animals were too many to thrust on the market at one time. This was said also of the bulls; too many plain bulls, and in this division the market was draggy.

Pacific Great Eastern Railway had 85 cars spotted for quick movement of the animals into Vancouver; more than 100 cars moved south. Besides these were a number of truck shipments to Ashcroft and other points.

A number of P. G. E. officials,

headed by William Stewart, superintendent, and Roy Drage, freight agent, had a business car parked at the mile-long corrals, and the office in the yards was much appreciated by those doing business at the sale.

There were many persons identified with the agricultural industry, government agencies, railroads, feed companies, packing plants present from as far east as Winnipeg and Pacific Northwest states. Added to these were hundreds of tourists and hunters who thrilled to the frontier town atmosphere of Williams Lake; the well-dressed cowboys, well-mounted, who had trailed their herds in from points as far as 220 miles in the mountains.

Williams Lake residents felt that they had good reason to celebrate this year. The railway is being pushed north from Quesnel with gratifying speed. South of Williams Lake improvements are being made in the roadbed and bridges. Morale among the lads "on the line" is high. They feel that after being kicked around for more than 20 years, the line is really going to come into its own.

The motive power has been improved. The road has acquired five new diesel units; four for freight and passenger service, and one switcher for the Squamish yard. They have proved more economical than steam locomotives; and what's more, the crews like them.

And while everyone along the line talked about the new equipment and the 200,000 new ties that have been put in this year, they always end the conversation on the theme of new developments in agriculture with the laying of new steel. They think in terms of Peace River



grain and Peace River coal moving down the line, to provide more work, and a greater measure of prosperity for the west coast.

### Good Apple Crop

In the Okanagan, the apple harvest was rapidly drawing to a close in mid-October. Total of 6,378 cars of fruits and vegetables had left the valley up to October 14. Last year total was 6,093 for the same period; and the year before, 7,458 cars. It is expected that the apple crop will run 7,500,000 boxes.

Growers enjoyed good harvest weather, and there was less difficulty in taking off the crop, as compared with other years. With the fruit picking near an end, B.C. Tree Fruits, Ltd., prepared for shipments of three lots of apples to the United Kingdom.

Meanwhile prospects for a good crop of Red Clover seed appeared excellent in Fraser

apples would be marketed in the district.

They had a bumper crop of 12,000 lugs of prunes. They also had a good potato crop, but suffered some flea-beetle, and they admit that stronger measure of control will have to be taken next season.

One of the interesting things about Salmon Arm Farmers' Exchange is that they operate their own box factory and lumber mill, drawing their logs from their own timber limits. They will put out a total of 400,000 containers this year,—apple boxes and other containers.

They are also turning out lumber for the new \$450,000 high school. About 35 men are employed steadily in this operation, and there are additional employees during busy seasons.

Boards of trade along the north shore of the Fraser Valley are campaigning for a road to link Vancouver with Hope. They claim that the south road is already over-taxed, and that when traffic really gets moving over the new Hope-Princeton highway, the bottleneck will be serious.

They say, too, that the new road link would open land for settlement, and that there is only slightly more than a mile of really tough rock work.

The interested Boards of Trade recently ran a special train carrying 300 persons from Vancouver to Hope and return to make a personal survey of the potentialities of the region.

### Put it this way:

"When a woman driver sticks out her hand to make a turn, it means only one thing: the window is open."

—Arthur Godfrey.

Valley. Forecasts were that 1,500 acres in the rich Delta lands would produce 300,000 pounds, and that gross receipts would be more than \$100,000.

There has been an excellent crop of potatoes, and increasing interest in production of high quality spuds right across the country. The Cariboo is enthusiastic over results this year, and on the lower mainland, the B.C. Coast Vegetable Marketing Board, has grown out of its new building. Staff of seven four years ago has grown to 50 persons, and a new addition 100 by 100 feet has been added to the building.

### Dairy Come-back

In Salmon Arm district electrification is moving forward satisfactorily, and growers state that as extensions are continued it is likely that dairying will stage a come-back. A number of herds were reduced during the war and immediately after due to difficulty in obtaining help, high price for labor and good prices being offered for animals.

Result was that growers turned to growing hay for the lower mainland. Many feel, however, that the feed should be fed right in the Shuswap Valley, and that with electrification, and its attendant labor-saving devices and conveniences there will be more inclination on the part of farmers to build up their herds again.

Salmon Arm Farmers' Exchange had a good year. I went over their operations at fair time with Ed. Pike, general manager. They have two packing plants, one at Salmon Arm and one at nearby Canoe. They expected about 325,000 boxes of

### Hay wall silo

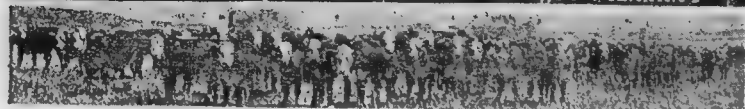
RAYMOND Maier, farmer 5 miles south of Hannover, N. Dakota, makes good use of baled prairie hay in forming the walls of a temporary silo on his farm, according to Banks H. Sieber, county extension agent. The silo is round and the wall is 1 bale thick and 11 bales high, and is held together on the outside with wire. Inside diameter of the silo is 16 feet.

Maier has his silo filled with 18 acres of corn. He plans to feed the silo from the top, using both the silage and the baled hay. Temporary silos of this type, as well as trench silos, are recommended by NDAC Extension Service as an inexpensive way to store feed.



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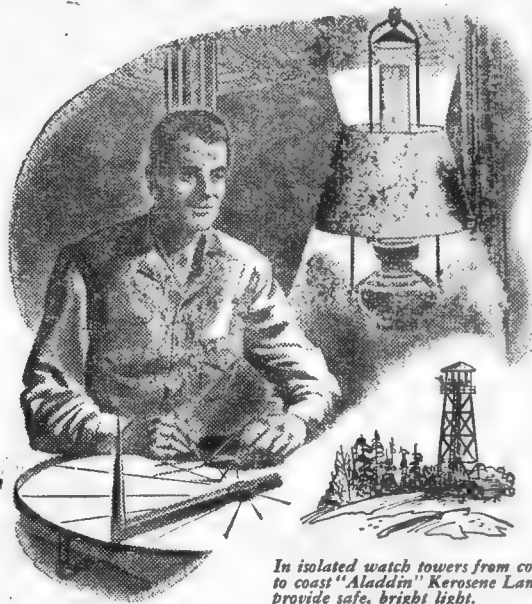
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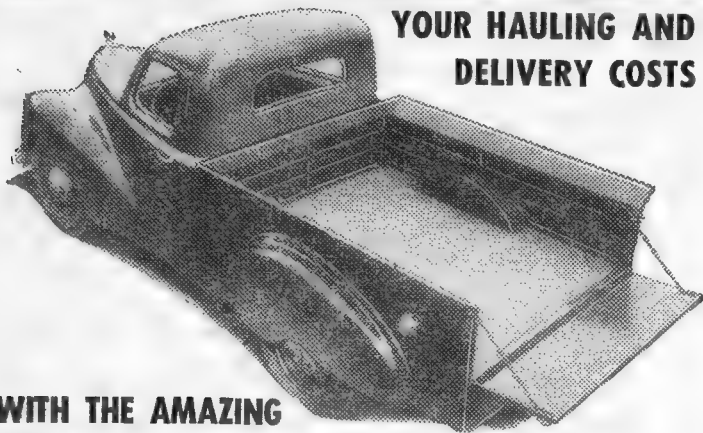
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HEAD OFFICE: WATERLOO, ONT.

## Prize Picture



Mrs. Ethel Kerns of Wimborne, Alta., won \$5 for this picture.

## Lethbridge has now become the centre of agricultural research

By JAMES R. McFALL

FRIDAY, September 23rd, was a red letter day for the City of Lethbridge and surrounding district. To the casual observer it was difficult to know who was celebrating what. Was it the official christening of the new born Science Service Laboratories, an institution just stepping out into the world with a challenging future before it? Was it the Golden Anniversary of Irrigation in Southern Alberta, a development which has done much for agriculture in the area and promises more in the way of expansion which is characterized by the St. Mary's Dam that is well on the way to completion? Or, was it the Diamond Jubilee of the Lethbridge Chamber of Commerce, an organization full 60 years old, an organization which has acquired maturity in its approach to basic problems, yet has maintained the fire and energy of youth in pursuing its objectives?

All in all, it was a successful day, but let us realize that ultimate success cannot be measured in a day of back-slapping and well wishing. The final word will be written when St. Peter asks, "What have you done for your fellow man?"

Please don't misunderstand me. I haven't any doubt but that the Lethbridge Chamber of Commerce will be able to pass the acid test, also irrigation development, but what of this new infant, the Science Service Laboratory?

It is possible that we should not worry too much when we realize that the idea was conceived by men of experience and ability and will be carried on under equally capable leadership. First, we can refer to Dr. W. H. Fairfield, founder of the Lethbridge Experimental Station. Over the years he has realized that the scope of their activities was limited and that

there was a larger field in research to be opened up. Secondly, we can mention Prof. E. H. Strickland, first entomologist to work in the Lethbridge area; then came men like H. L. "Hod" Seamans, George F. Manson, R. H. "Dick" Painter, Dr. C. W. "Chris" Farstad, Dr. R. W. Salt and L. A. Jacobson. These men in their respective fields contributed a great deal to agriculture in the West and through their activities established the necessity for more adequate research facilities.

The next step came from higher up in administrative circles. Dr. K. W. Neatby, Director of Science Services, Ottawa, realized the necessity for a co-ordinated approach by Science if it was to offer the leadership expected of it in the agricultural field and if it was to solve problems facing science and agriculture generally. Thus, while the Science Service in this area was originally confined to the entomological field, it has now been expanded to include plant pathology, plant physiology, along with extended work in plant breeding.

So on September 23rd this dream of serious, hardworking men became a reality and was officially opened by Robert C. McCubbin, acting on behalf of Hon. James G. Gardiner, Federal Minister of Agriculture. The interested spectators from many parts of Canada and Southern Alberta in particular, crowded through the spacious building which was constructed from surplus buildings of the Commonwealth Air Training Scheme. They traversed the building from the reception desk at the entry, through the well lighted, roomy laboratories, to the heating and cold storage units in the basement, as well as offices lined with reference books.

When we think or speak of the Research Centre at Leth-



bridge we cannot limit our vision to this one large building and the activities carried on there. The over-all picture includes the livestock insects division, in charge of R. H. Painter. Its scope must take in the wool laboratory, the livestock breeding and feeding work, horticultural breeding and selection and the general testing of field crops and cultural practices. This work is carried on by the Experimental Farms Service under the supervision of A. E. Palmer and staff.

#### Pure and Practical

We are informed that the work done will be under two general headings, namely, applied or practical science and pure science. The pure science work is a branch that is undoubtedly essential in that it is never known when the principles established or results achieved may be turned to practical use.

The agricultural producer will be particularly interested in the practical angle as this phase may have an important bearing on his everyday practices and return for efforts expended. It is in this field that a close liaison between farmer and research worker should be maintained. The farmer should recognize this institution and not hesitate to present his problems for consideration. In this way he may get immediate assistance or will at least keep the scientist up to date on all rural developments.

#### Vital Contact

I suggest that it is the farmer's responsibility to maintain this contact because men at the Research Center cannot and should not spend their time looking for problems. True, they

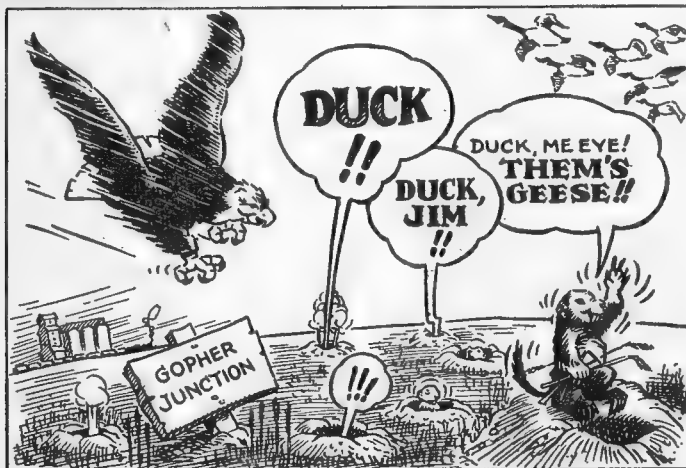
make many field contacts while on surveys of the various areas with regard to prevalence of some particular plant disease or insect infestation, but this contact must be incidental to the main work.

Another step in maintaining this liaison between research worker and producers has been established in the appointment of Tom Kilduff. Mr. Kilduff is employed by the Alberta Department of Agriculture and it is his responsibility to make information regarding research and experimental results available to the farmers and District Agriculturists. On the other hand, he will be expected to channel information from the Agricultural extension workers to the research departments. This is undoubtedly a step in the right direction but it should not exclude the individual farmer from taking a keen interest in the work carried on in his behalf.

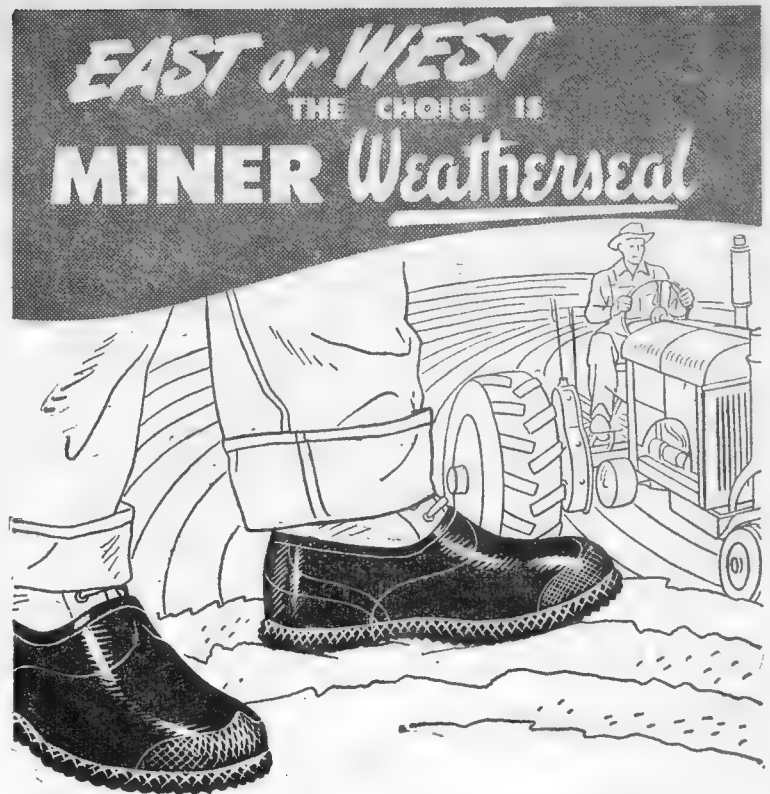
It is not the purpose of this article to prophecy what can be expected of this modern well-equipped research centre. We do know, however, that with the Science Service and the Experimental Farm Service working together under the leadership of Dr. Broadfoot and E. A. Palmer the agricultural production problems will be attacked with vigor and determination.

As a closing word, may we stress the fact that the ultimate success of this research centre will depend on the direct application of its findings in the business of farming. This final step is a partnership in which the producer plays an important role.

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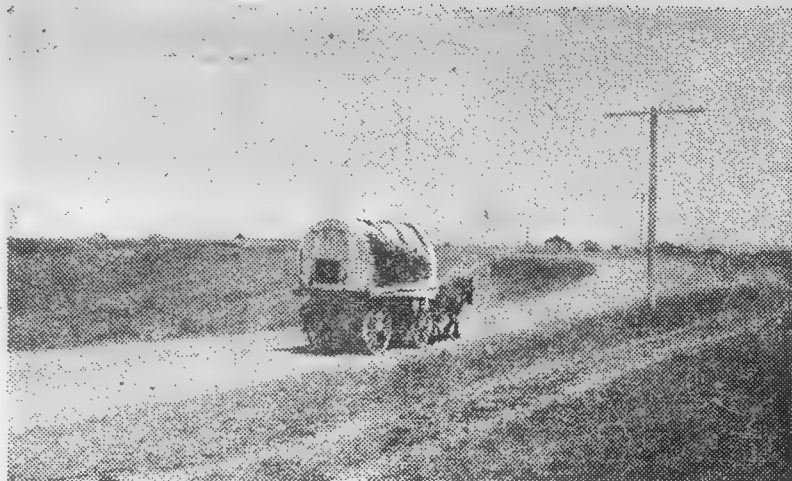
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## Remember When?



## Here's how those tender plants can be kept through the winter

By H. F. HARP

**B**EFORE dealing with the winter storage of tender plants a few random notes on late autumn flowers in prairie gardens are submitted.

We have come to depend on the Chrysanthemums and Michaelmas Daisies to furnish the last color in the hardy flower borders. A grand finale, as it were, as the curtain is rung down marking the end of the growing season.

This season the plants of Chrysanthemums and Michaelmas Daisies were rather slow in coming into flower. However, at this late date they are still colorful after braving several degrees of frost on two occasions.

Why more gardeners are not interested in growing these lovely autumn flowers is probably due to disappointment experienced with varieties that fail to bloom early enough for prairie gardens. With a hope that more gardeners will enjoy these plants a list of dependable varieties is given.

Glacier, Early, White; Goldlocks Early, Yellow; Violet, Midseason, Red Purple; Maroon and Gold—Midseason, Bronze.

If difficulty has been experienced in obtaining varieties suited to your locality then you had best enquire of the writer for further information.

Early flowering kinds of these old-fashioned plants make excellent garden subjects for late fall use and supply bouquets of dainty flowers long after the annuals have been destroyed by frost. The following varieties have been reliable here:

Snowsprite, white; Marjorie, pink; Victor, blue. These are all very dwarf-growing kinds less than one foot high.

Little Boy Blue, medium blue; Margaret Ballard, Lilac pink: 2 feet in height.

Perry's Blue; Pink Nympe, 3 ft. in height.

They are all best planted in spring so keep them in mind for next year's garden. Their cheery

flowers at season's end are indeed welcome.

### Winter Storage

**Roses**—Hybrid Tea and Polyantha types may be carried over winter in the basement by lifting them before hard frost sets in and planting them in large flower pots or nail kegs. Cool storage 40° is best and a dusting of sulphur should be given before transferring plants to cellar.

**Dahlias** — Dahlias have been lifted by now and should be safely housed in frost-proof cellars. If successful storage of the tubers has been difficult and expensive varieties have been lost it will be timely to check to following advice of proper storage:—First, all roots should be entirely free from disease. They must be handled with care at all

#### Put it this way:

"There is always an easy solution to every human problem — neat, plausible and wrong."

—H. L. Mencken.

times to avoid bruising. Where storage space is limited they may be divided in fall. Take care to have a portion of the "neck" with each division. Only from that portion of the tuber can growth develop.

Granulated peat may be used for covering the divisions after placing them in a box of suitable size. If no peat is available sand may be used instead. Whole Dahlia roots may be kept quite nicely by placing them on top of a pile of stored potatoes. Moss and Vermiculite may also be used, but more important than storage mediums is temperature and humidity of the basement.

Low temperatures, 35°, and excess moisture will tend to rot the tubers. On the other hand, heat and dry air results in shriveling. Both conditions must be guarded against. Storage at about 40° is recommended with a fairly dry atmosphere. A light

sprinkling of the storage medium will probably be needed by February.

**Cannas** — These semi-tropical plants do very well in prairie gardens and may be easily carried over winter in any frost-proof cellar. They are best stored in peat or sand kept reasonably dry. A steady temperature of 50° suits them well. In early spring they should be taken out of the soil and ex-

#### Put it this way:

"If at first you don't succeed, try, try again. Then quit. There's no use being a damn fool about it."

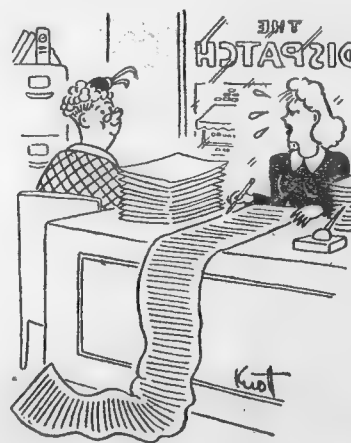
—W. C. Fields.

amined. Should they appear dry to the point of shriveling, the peat or sand must be moistened before replacing the roots. Early in March they can be divided into portions having two good "eyes" on growing points.

**Gladioli** — These are lifted immediately after the first frost. Tops are cut off leaving a stub about 2 inches long. They may be stored in a warm room till they are cured at which time the old, withered stub is pulled off. Bulbs are best treated with naphthalene flakes to ward off attacks of thrips. Use one heaping teaspoonful for each 100 bulbs. Store for three weeks in air-tight bags. Ventilation is then made in each bag or the naphthalene taken out and kept for use again. Other methods of control are soaking the bulbs in a solution of corrosive sublimate and steeping them in hot water, both are effective but not as simple in application as the naphthalene treatment.

**Tuberous Begonias and Gloxinias** — Where tuberous Begonias were used to furnish beds in sheltered spots, the plants should have been lifted and placed in pots or boxes to complete their growth. Those that flowered in pots should now be prepared for their resting period. The supply of water must be reduced till the leaves turn yellow when no further waterings are needed. The bulbs are ready for storage when the top growth parts from the bulb at the least touch.

(Continued on page 21)



"Now are you sure that this covers everything that happened at Your weekly garden party?"



(Continued from page 20)

Bulbs may be stored in their pots or taken out and placed in a box of dry granulated peat till early March, when they are started into growth again.

*Gloxinias* may be had in bloom over a long period, but they must have a season of rest. Most gardeners have them flowering during summer and fall. When they are done blooming the water supply should be gradually reduced till the foliage dies down. Store them in their pots in a moderately warm basement, 50°. They must be kept quite dry till early February when they are shaken out of the pots and started into growth again.

*Geraniums* — These often are problem plants at season's end. Gardeners are reluctant to discard them after they have served as bedding plants. Many are carried over in basement or living room. If cellar space is all that can be allotted to them they should be placed in a position of some light if possible. A basement window facing south is best.

One good watering will carry the plants for several weeks, unless cellar temperatures are excessively warm. It is better to err in underwatering the plants as *Geraniums* are intolerant of wet conditions at the root especially when temperatures are low.

Some success has been had with storage of *Geranium* plants in potato cellars. The plants are lifted with a quantity of soil adhering to the roots and hung in an inverted position.

*Geraniums* are deserving of better treatment than cellar storage and if good plants are to be had, then cuttings had best be taken and the young plants given a place in a sunny window, remembering to keep them always on the dry side through the dark days of winter.

## PRIZES FOR PICTURES

Our readers are reminded again that to be considered at all the pictures they send us must be:

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4. Human Interest! Pictures should tell a story.
5. Seasonal. We are overloaded with summer pictures. We need winter scenes and we need them now.

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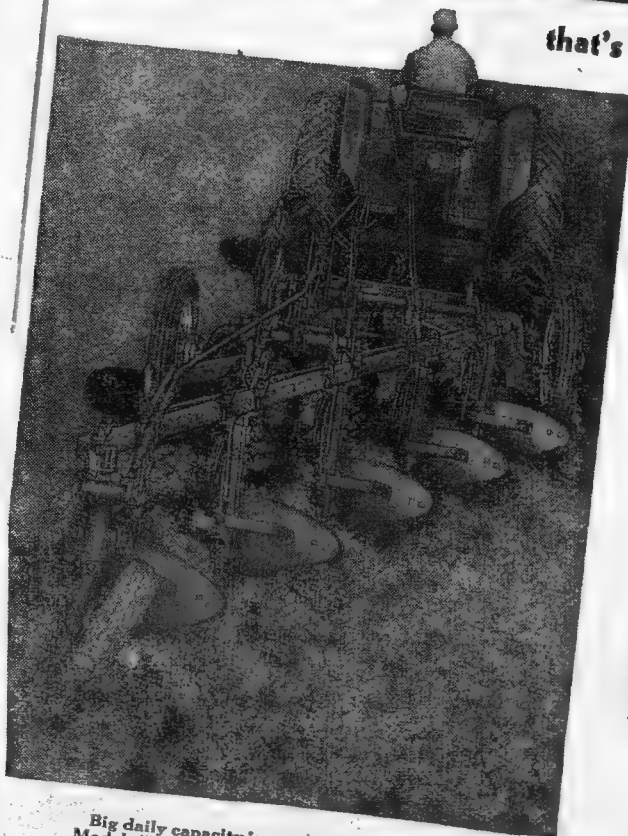
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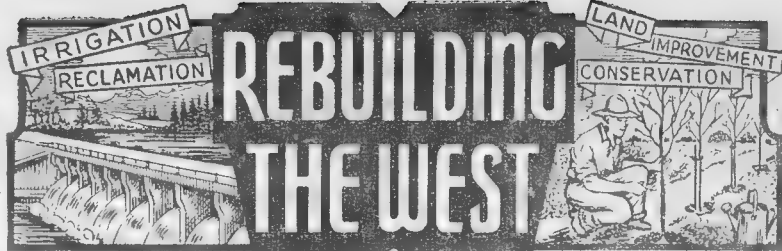
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## Did soil robbed of fertility cause this year's low protein crop?

(From the Lethbridge Herald)

WE'RE worried about the stories concerning low protein content of our South Alberta wheat this year. It's down around 12 or 12½ per cent. Last year it wasn't any better. Last year was a wet year which usually lowers protein content. But this has been a dry year. We would have bet when we saw the fields turning a reddish golden in late July that, with only half the normal rainfall from the end of May till harvest, we would have hit around 14 to 15 per cent protein. The results are disappointing -- as disappointing as the sugar content of our beets, for which we seem to have an accountable reason, which is that the frost, a black, blighting freeze rather than enough frost just to nip the leaves and start the chlorophyll back into the beets to build up the sugar.

They say the explanation of the low protein content in this year's wheat is that the rains, small as they were, came just at the right time to keep the crop growing and the berries filling. That doesn't explain it to us. There was no subsoil moisture last spring. The May rains, while heavy, merely served to restore some of that balance when the crop was green and growing best. In the ripening stage there was subnormal moisture. The protein should have been high.

A couple of years ago we had a long talk with Dr. Archibald, head of the Dominion Experimental Farms. He told us he was worried because all across Canada the natural fertility and mineral content of our land is disappearing. Trace minerals have been used up, or, in the alternative, we have not the fibre and decaying matter in our soils to make the minerals available to give the plants strength. Louis Bromfield of Malabar Farms, Ohio, who returned from France and a great writing career to buy the old homestead of his grandfather and rebuild its fertility, tells about the sickness of plants and animals until fertility was restored by alfalfa and grasses, by manuring and use of artificial fertilizers. When fertility was restored animal sickness practically disappeared. He says the "poor white trash" of the U.S. deep south is the result of eating food that has no strength because the soil is worn out.

Have we begun to reach that stage in South Alberta? Is that why wheat protein is down? Is that why we have had to drop Red Bobs wheat from the list? Is that why millers are pulling their hair trying to find areas where they can be sure of high protein wheat to make strong flour? Perhaps it is about time we began to grow less acres of wheat and began a program of building up the fertility of our farms by a systematic long-range program to restore the ability of the land to grow good food.

### P.F.A.A.

APPROXIMATELY \$17 million will be paid out to prairie grain producers with low yields in the 1949 crop year. This estimate was made by R. F. McGregor of Regina, director of the Prairie Farm Assistance Act.

The bulk of the \$17 million will go to Saskatchewan and it is estimated that 45,000 farmers there will be eligible for benefits. In Alberta 25,000 farmers will probably receive P.F.A.A. payments. In Manitoba it is expected that only 1,000 farmers will benefit.

#### Put it this way:

"The allurements that women hold out to men is precisely the allurements that Cape Hatteras holds out to sailors: they are enormously dangerous and hence enormously fascinating."

—H. L. Mencken.

P.F.A.A. payments are made in accordance with a schedule. A complete crop failure entitles a farmer to a maximum of \$500 where such a condition prevails over an entire township. In townships where the average wheat yield is 4 bushels or less to the acre the farmer gets \$2.50 an acre, the maximum being \$500. Where the yield is 8 bushels to the acre or less payment \$1.50 an acre or a maximum of \$300.

The P.F.A. Act is financed by a 1% levy on all deliveries of wheat, oats, barley and rye. This levy has never been able to pay for the annual requirements of the act and the balance has been made up from the federal treasury.



## Who's Coming?



Photo by Clemson.

## What about Manitoba?

"THOUSANDS of tons of valuable nutritious livestock feed are wasted every year in the Red River Valley, feed which could be utilized in a number of ways," says Earle Klosterman, North Dakota Agricultural College animal nutritionist.

This feed, sugar beet tops, is a by-product of the valley's huge sugar beet industry. "At present," says Klosterman, "a large proportion of the beet tops are plowed under and only a very limited number used as livestock feed."

"It is true that the tops have some fertility value but a lot more value could be realized by feeding them to livestock and then putting the manure produced back on the land," says the livestock feeds specialist. The volume of feed that is wasted is demonstrated by the fact that the tops from an acre of beets will weigh about one-half as much as the marketed beets.

Beet tops can be utilized as feed for cattle and sheep in a number of ways. They may be pastured, made into silage or dried. Probably the most practical way to utilize them is by making them into silage. Beet top silage can be made in upright or trench silos or by merely making a large pile of the green tops.

If the silage is made in a pile on the top of the ground, the pile should have smooth sides and the larger the pile the better. There will be some spoilage around the edges by this method, but it has the advantage that no building is required.

Reports from foreign countries have shown that dehydrated beet tops are about equal in feeding value to oat grain. If a high quality feed is to be obtained, some means of removing soil from the tops must be used. In Germany this is done by either washing them before they are dried or by shaking the dirt out of the dried product.

If some means of topping the beets prior to or during lifting were devised so that the tops were immediately loaded without being thrown on the ground a good quality feed could be made without the use of expensive washing or shaking equipment. This type of equipment would also greatly reduce the amount of labor required in gathering the tops.

### Co-operation asked in livestock survey

At the end of November farmers across Canada will again be asked to supply facts about their farms in order that estimates can be made of the numbers of livestock in Canada and the cost of hired labor. Forms will be mailed by the Agriculture Division of the Dominion Bureau of Statistics and provincial Departments of Agriculture will co-operate in the work.

The success of the survey and the accuracy of the agricultural statistics published by the Bureau and the several provincial departments of agriculture depend on the co-operation of farmers in filling out and returning the questionnaires. A widespread response from all types of farmers throughout each province is needed in order that the statistics can be based on a sufficiently large number of reports from a representative sample of farms throughout Canada.

The survey has no connection with taxation. The farmer's individual form is seen only by workers in the Dominion and Provincial agricultural statistical offices and the farmer is protected by law against the wrong use of his return. All individual forms are kept strictly confidential.

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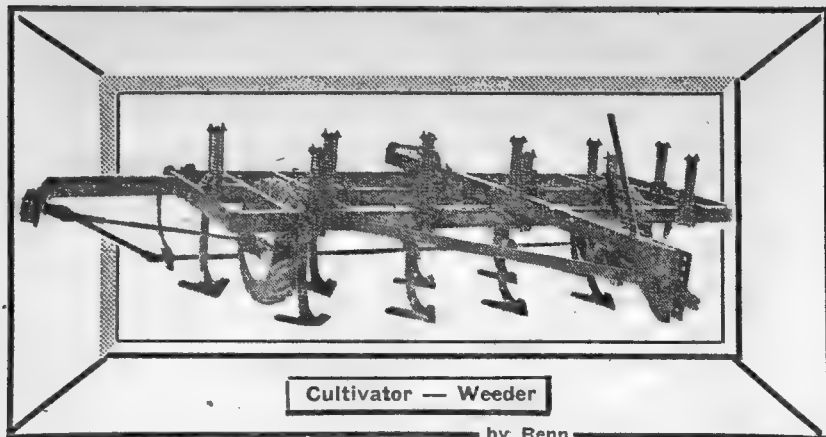
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NOV. 17—High River, Alta.  
NOV. 18—Pincher Creek, Alta.  
NOV. 24—Claresholm, Alta.  
NOV. 25—Cardston, Alta.  
DEC. 2—Pincher Creek, Alta.  
DEC. 7—Nanton, Alta.  
DEC. 8—High River, Alta.

N.B.—HIGH RIVER sales are held in the Association's yards at AZURE, about four miles south of High River.  
MACLEOD sales are held in the Association's yards at MEKASTOE, about five miles north and west of Macleod.  
Sales are subject to cancellation or change at the discretion of the Directors, but will be adhered to as closely as weather conditions and other factors permit.

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## Don't blame the dog it may be the people!

By GILEAN DOUGLAS

MOST of us try to put our best forward when we are with friends or acquaintances, but that won't do us one bit of good if our pets tell another story. If that happens our neighbors will say: "Well, that new woman along the street seems pleasant enough, but I wonder what's underneath. Her Pekinese is as cross as two crabs." Or "That man who's taking John Smith's place is certainly agreeable, but there must be something wrong with him. His retriever would just as soon bite you as look at you."

Veterinarians agree that pets reflect the personalities of their owners and the environments of their homes. This applies more to dogs — whether purebred or mongrel — than to cats as the latter are greater individualists and usually more temperamental than their barking tormenters. For this reason they make worse patients when ill and they resent change so much that a move of any sort will put them in a dither. When taken away from home many of them will refuse to eat for days, even when they are getting the best of care and affection.

Dogs are very much like children. If they are ill-treated they will react in one of the two ways adopted by a child: sidle around in a cowed manner trying to keep out of sight or bluster out their hurt in a show of aggressiveness. If there is much quarrelling in the home you can usually depend on it that the family dog will be bad-tempered and hard to handle. The pernickity owner can generally be detected by the fussiness of his pet where food and people are concerned.

### Dogs Have Feelings

Never laugh at your dog. There is no easier way to hurt his spirit and don't fool yourself that he won't know you are making fun of him. A cocker I know whose long, silky ears interfered with his eating had them pinned back with a clothes peg or tied with a scarf. It was quite a sight! He finally got used to his owners seeing him that way, but one day they forgot to remove the decorations when guests arrived unexpectedly. The visitors roared with glee and you have never seen a more embarrassed pup. From then on he would have none of the scarf and it was all his contrite owners could do to get him to re-accept the clothes pin. The cocker's price was complete privacy when eating and lightning removal of the headgear when anyone hove in sight.

But all this isn't to say that your Spot or Rover hasn't a personality of his own. He is frequently a lot less emotional than

his owner and certainly a much better patient when ill or in pain. To quote a veterinarian who would rather remain nameless and keep his clientele:

"The owners are my chief headache."

Yet a glance at the many bromides on the shelves of any small animal dispensary will tell you that some dogs can have a lot of trouble with their nerves. Common practices which tend to make them neurotic are: teasing (I don't mean playing), fondling one moment and scolding the next without apparent reason for either, forcing them to sit up and beg for food, parading them on the streets in coats or blankets. Scotties certainly don't need the protection of their tartan turnouts and they feel uncomfortable in them both physically and socially.

The child who is "different" has a hard time and it is just the same with animals, both domestic or wild. I remember a spaniel called Blue Boy who was hospitalized for eczema and had to have his blue-black coat shaved off. Before this operation he had been a gregarious and popular little chap, but afterwards he spent his days slinking into corners to avoid the snooty looks and sometimes even attacks of his erstwhile pals. He avoided humans also and seemed always to be expecting them to make fun of him — which, unfortunately, some of them did. When his hair grew out, however, he became his jolly, popular self again. Because of much inbreeding the cocker — one of America's favorite dogs — is apt to be more excitable than pets of other breeds and also to lack stamina when seriously ill.

### Pass the Toast

Not only do dogs reflect their owners' personalities, but many of them adopt human eating habits. Numerous canines have tea or coffee every morning, while many put in their order for toast with butter or — for those with an extra sweet tooth — buttered toast with jam or marmalade. Some dogs insist on porridge for breakfast — and they're not all Scotties either. One four-months puppy is devoted to kleenex — yes, he actually eats it! — just as the human youngster frequently has a taste for objects not ordinarily classified as food.

Yes, put the best foot forward by all means, but be sure you haven't a pal at heel who will unknowingly betray you. If you want a character witness who will testify in your favor it might be a good idea to house-clean your personality as well as your home — or sell your hound to a neighbor!

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All Sizes. Order Direct from this Advertisement—Remit \$29.75 or Ask For Yours to be Sent C.O.D.

CHECK THESE FEATURES (Not Obtainable in any Other Parka Anywhere):

●Outer Surface of World Famous Grenfell Cloth. Windproof, Snagproof, Water-Repellent.

●Body and Sleeves Fully Lined with Tough, Hard Wearing Silk Topped Fabric.

●Body and Sleeves Fully Interlined with Thick Lightweight Eiderdown.

●Note the Full Length Zipper Opening Front and 4 Covered Pockets Plus Storm Tab.

●Cut in Extra Length (about 38 ins.) and Finished with Wide Elastic Shirred Waist.

You get both the fur trim hood and the beaverine fur collar—they're zipper attached for easy on and off. It's the finest parka ever made and sold only by Army & Navy Mail Order, Regina.

Fawn Shade.

Sizes to Fit: 36, 38, 40, 42, 44, 46-in. chest.

555 MAIL ORDER SALE. \$29.75

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MAIL ALL ORDERS TO:

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# Handy Devices

By Courtesy of the "Popular Mechanics Magazine"

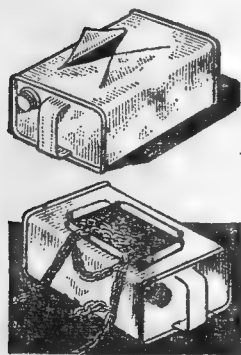
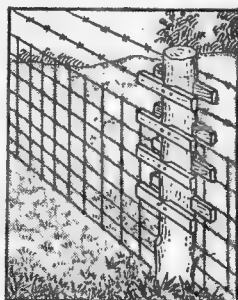


## WATER SYSTEM FOR BROODER HOUSE HAS BARREL RESERVOIR

ONE poultryman installed a gravity-fed water system in his brooder house, utilizing a large barrel as a reservoir. An outlet at the bottom of the barrel is equipped with a T-fitting. Two hoses connected to the fitting carry the water to a run of pipe along each side of the house from which the water is distributed to individual drinking fountains in the pens. The barrel is filled with water by hand, using a length of hose attached to the well pump.

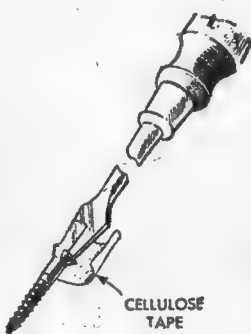
## CLEATS NAILED TO FENCE POSTS PROVIDE CONVENIENT STILES

YOU can climb over a farm fence at a number of places if several of these simple stiles are nailed to the posts at intervals along the fence. The stiles are made by nailing wooden cleats to the posts on opposite sides of the fence to form miniature ladders. The posts must be notched for the cleats to prevent the nails from being pulled loose.



## TIRE CHAINS CARRIED IN OILCAN

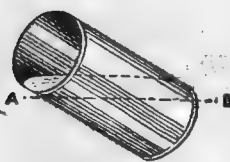
TIRE chains can be carried neatly in the trunk of your car without rattling and, at the same time, be kept from rusting if you store them in a motor-oil can. Cut an "X" design in one side of the can, roll back the four triangles of sheet metal and press flat with pliers. Sprinkle a few drops of motor oil over the stored chains to prevent rusting. The container also is an excellent place to keep a tow cable.



## TAPE AIDS STARTING SCREWS

IN places where screws cannot be held in starting position with the fingers, they can be started easily if they are taped to the tip of the screwdriver. With the tip in the screw slot, a small piece of cellulose tape is wrapped around both the head of the screw and the end of the screwdriver. The greater width of the tape should be stuck to the screwdriver blade so that when the latter is pulled from the screw the tape will be removed with it.

## EASY WAY TO POUR HALF OF CONTENTS FROM OPEN-TOP CONTAINER



WHEN you wish to pour half the contents of a full can of paint, gasoline or other liquid into another container, here's a way to get a close approximation of this amount. Pour the liquid in the usual manner until the level of the liquid remaining in the can forms a line between the lower edge of the rim, A, and the upper edge of the bottom, B. At this point you have poured about one-half of the contents from the can. This rule will hold true for both round and square cans, but, of course, it can be done only with open-top containers. If you want to divide the contents of a partially empty can equally, make a mark or place your finger on the outside of the can at the level of the liquid when the can is vertical. Then, use this mark in the same way as you would the lower edge of the rim when pouring from a full can.

For constant Smoking Pleasure

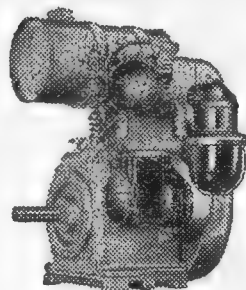
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# "EXPORT"

Cigarette Tobacco



ALSO AVAILABLE  
IN ½ POUND TINS



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All steel heavy construction means long life. The Wetmore grinds grain to any degree of fineness... grinds all feeds, grain, roughage, hay. Mass production and our direct-from-factory-to-dealer distribution plan keeps prices low.

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PIG STARTER

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HOG FATTENER

Or Money-Maker Concentrate for mixing with your own grains.

These Feeds Are Proven Partners in Profitable Hog Production.

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Fit and show a DODDIE . . . the breed known for early maturity, easy feeding qualities, and no horns.

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Secretary: JACK McBRIDE, Benalto, Alta.

## Will fear of retaliation stop use of atomic bomb in future?

By BEN MALKIN

PRESIDENT Truman's announcement last month that the Soviet Union had exploded an atomic bomb was accepted with almost fantastic calm. This coolness, instead of hysteria, showed the extent to which the public had been conditioned to the realization that possession of the bomb by Russia was inevitable. In 1945, it had been predicted by American scientists that the Soviets should have it within five years. Actually, it came in four. But it is doubtful whether, with the bomb now in Russia's possession, relations between Russia and the West will change fundamentally.

To begin with, there is no change in the attitude on control of atomic energy. This was made clear immediately after President Truman's announcement when Andrei Vishinsky, Russian delegate to the United Nations, stated Russia's position in the matter. Russia still wanted the American stockpile of bombs destroyed as a prelude to international control of this weapon. Further, it firmly opposed international inspection of atomic energy plants. The United States continues to insist that without international inspection atomic disarmament would be ineffective, for a country could quietly produce atomic weapons while claiming that it is not doing so. Certainly, a country as closely-guarded from the rest of the world as is Russia could.

### Fear of Retaliation

The only possible effect that Russia's possession of the bomb may have is that neither side will now use it for fear of retaliation. This suggestion was made last month by the Christian Science Monitor, and it makes sense. During the first world war, the Germans used gas because they knew the Allies could not hit back with a similar weapon. During the second world war, although both the Germans and Allies had gas bombs and shells in their military stores, gas was not used once — perhaps for that very reason. In fact, Prime Minister

Churchill bluntly warned the Germans that if they used gas, Allied bombers would gas Berlin.

It is not at all impossible that the same thing may happen with the atom bomb, for looking at its use from the cold, military viewpoint, the employment of this weapon would leave the world such a shambles that both sides would have more to lose than gain from it. But this also means that the United States will have to go on stock-piling atom bombs, in order to retain the threat of retaliation.

Other aspects of western defence occupied the center of the stage last month. A meeting in Washington of representatives of the North Atlantic powers agreed to integrate the defensive strategy of the western world. Canada will continue in its present role. On land, it will build up a highly mobile, airborne infantry force which will be kept at home to deal with diversionary attacks on Canadian installations. The overseas force will be built up around the reserve army units, as was done in the last war. At sea, an anti-submarine fleet designed for convoy duty will be constructed. In the air, the concentration will be on fast, jet fighters. In other words, Canada's peacetime role is to build up a defensive force. In wartime, it will be expanded as an offensive, striking force.

### U.S. Politics

This fits in with the overall plan to defend the western world. But where it breaks down is in actual arms integration. If North America is, as the military planners feel it should be, a continental area to be defended in a unified manner, arms integration between U.S. and Canadian forces will have to come. But the policies of the U.S. Congress interfere with this plan. It has enacted legislation which forbids the purchase by the U.S. of any military equipment which can be manufactured in the United States. This provides jobs and profits for the American arma-

(Continued on page 27)

## CASCADE SALT PREVENTS PINING DISEASE



Don't let the cobalt deficiency (pining disease) rob your animals of their appetites and weight and so rob you of your profits. Protect your animals by feeding them Cascade Cobalt Iodized Salt. Order Cascade in sacks and in blocks with the new peg hole to prevent waste.

**CASCADE**  
(Iodized)  
**Cobalt Salt**



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SALT DESIGNED FOR WESTERN CATTLE AND SHEEP BY AN INDEPENDENT WESTERN FIRM



"I'm afraid that you have the wrong office, Sir."



## Cattlemen and sheepmen get together on better methods

**EDITOR'S NOTE:**—Last spring the FARM AND RANCH REVIEW carried the first report of a new method developed in New Zealand of quick, painless and economical castration of lambs and calves. This system has been used extensively in California this summer. This report from the California Wool Growers' Assn. should be of considerable interest to all our readers who raise livestock.

**L**EAVE it to the stockmen, if something new and better comes along that will improve their husbandry, and cut down on labor costs, they never hesitate to adopt it as standard practice.

Such has been the case with the Elastrator. An ever increasing number of stockmen have become users of the Elastrator for bloodless castration of young calves. Originally it was a New Zealand invention for use in castrating and docking lambs, and was brought to the United States for sheepmen. The system — which employs a specially compounded rubber ring and the Elastrator instrument to apply it to the scrotum — was an instant success with sheep raisers. Many sheepmen being also cattle raisers, they tried it on calves and found it just as effective. Like a pebble dropped in water, the circle of users has now spread to cattlemen and

dairymen as well as sheep raisers in every state of the Union, and into Canada.

Among cattlemen boosters are H. C. Carver of Bakersfield, Kern Co., California, a director of the California Cattlemen's Association and president of the Kern Co. Cattlemen's Assn. He has used the Elastrator on Hereford calves with great success. Mr. Carver prefers to use the Elastrator on very young calves, as he finds them less difficult to handle and the younger animals experience no discomfort when the Elastrator ring is applied. Mr. Carver reports a tendency toward soreness and some accompanying discomfort to calves weighing 350 to 500 pounds.

The Elastrator was tried out on calves on the San Joaquin Experimental Range in Madera Co., California, with perfect results. Farm Advisors from many sections report they have demonstrated its use on numerous herds. Thousands of individual stockmen are Elastrator users.

The development of the Elastrator and the specially prepared rings has been encouraged and promoted by the California Wool Growers' Assn. This producer group, recognizing the advantages of the method, first introduced the Elastrator for use by its members in California. Its instant acceptance resulted in such a demand that wider distribution was undertaken and today the Elastrator is used in practically every state.

The adaptability of the Elastrator to large or small operations and the economy of time and equipment, have been advantageous to the producer.

The principle of strangulation or shutting off of the blood supply to inactivate a gland or organ is not new. As applied in castration the use of a constricting ring, eliminates the necessity of cutting and of an open wound. The fact that the testicles atrophy and drop off, indicates the positiveness of the method. The action of an Elastrator ring is immediate and even though the scrotum is still attached, the animal is a "castrate".

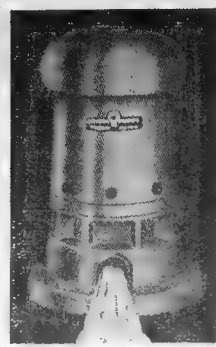
There are many advantages to the Elastrator method including simplicity, bloodlessness, lack of set back to the animal, use in any weather and one man operation. There are no open wounds for infection and while a slight soreness in some cases may give an opportunity for fly strike, the possibility is far less than in other methods of castration.

(Continued from page 26)

ments industry, but it means, also, that North America, instead of becoming a single arsenal and supply depot for the defence of the west, is split in two.

The simple fact is that Canada cannot build factories to mass-produce, say, American-type 105-millimetre cannon or Sherman tanks, because the Canadian forces alone cannot absorb the output of such factories. Therefore, if Canada is to find the money and markets to buy U.S. equipment and produce U.S.-type ordnance, the United States will have to buy Canadian-made weapons. This would be in line with the principle established by the late President Roosevelt and Prime Minister Mackenzie King in the Hyde Park agreement of 1941.

How important this is can be seen from the stress laid on it in a speech by Prime Minister St. Laurent at Troy, N.Y., last month, and by Defence Minister Claxton in a speech given in New York City. When they told their audiences this, they were virtually going over the head of the United States Congress and addressing their appeal directly to American public opinion. This is a highly irregular procedure for Canadian government leaders to follow. But the issue is regarded by the Canadian government as so important that it was thought worth while to risk the anger of the American Congress in the interest of building up a defence establishment on this continent capable of resisting aggression.



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9' 6" with 16" Blades. Regular \$310.00 now **\$199.00**

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11' 9" with 16" Blades. Regular \$352.00 now **\$245.00**

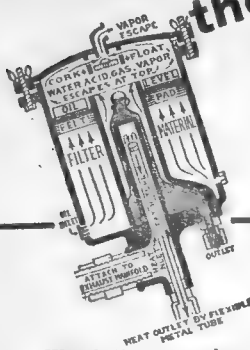
15' SINGLE DISCS with 16" Blades. Regular \$342.00 now **\$239.00**

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**CALGARY FARM MACHINERY  
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## DR. THOMAS' ELECTRIC OIL

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The Farm size is the best buy

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TORONTO CANADA



### Millennium

In Newark, the Erie Railroad, petitioning the Public Service Commission for an increase in fares, promised to modernize 144 commuter coaches so that windows could be opened "even by one-lady."

### Depositor

In Great Falls, Mont., hospital attendants, after looking high and low for the rare type of blood needed to give Jacob Dirkes an emergency transfusion, found that the only pint available was the one that Dirkes had donated a few days before.

### Prescription

In St. Louis, after hiccuping for eight days, Robert Meier explained how he had been cured: a stranger called on him, lit two black candles taken from a black bag, tied a string to a wet noodle and draped the string over Meier's head with the noodle hanging between his eyes.

### The brimming cup

In Topsfield, Mass., while trying to sell surplus apples at the local fair, Mr. and Mrs. W. J. Abbott learned that in the apple pie baking contest they had won second and third prizes: eight bushels of apples.

### Inside sources

In Bournemouth, England, Bernard Silver, who ran the Silver Burglary Prevention and Security Service of London, was sentenced to 15 months for receiving stolen goods.

### Smoke signal

Near Bari, Italy, Farmhand Donato Summa explained why he had flagged down the crack Rome-Bari train to speak to the engineer: he had been working in the fields for three hours without a smoke and needed a match.

### Rut

In Milwaukee, Gordon Edwards recovered his stolen automobile, noted that the engine had been damaged, went to get a mechanic, returned to find the car stolen again.

### For the Record

In Boston, State Representative Daniel Rudsten asked the Massachusetts legislature to reverse the conviction of 20 men and women convicted of witchcraft and executed in Salem in 1692.

### Routine

In Providence, charged with making improper advances to a housewife, Vacuum Cleaner Salesman John R. Marcos assured police that it was merely part of his sales technique.

### Haul

Near Campbelltown, Scotland, the fishing boat *Nil Desperandum* dropped her nets in the Firth of Clyde, snared His Majesty's submarine *Alcide*.

### Cruel and Unusual

In Detroit, Walter J. Burnett got a divorce after testifying that while he was at work his wife drank all his beer and whisky, replaced the bottles after filling them with colored water.

### Firm Hand

In Fort Worth, investigating complaints of a disturbance, police found a 78-year-old father spanking his 48-year-old son for being drunk.

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### LIMITED SUPPLY

## RIBBED ALUMINUM ROOFING and SIDING

FOR BARNs, GARAGES OR MACHINE SHEDS  
**LASTS FOREVER!**

6-7-8-9-10' Lengths  
26" Wide

**\$15.00 per 100 sq. ft.**

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CALGARY - ALBERTA

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Until I discovered Dr. D. D. Dennis' amazingly fast relief — D. D. D. Prescription. World popular, this pure, cooling, liquid medication speeds peace and comfort from cruel itching caused by eczema, pimples, rashes, athlete's foot and other itchy troubles. Trial bottle, 35¢. First application checks even the most intense itch or money back. Ask druggist for D. D. D. Prescription (ordinary or extra strength).


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Original Type, Replacement Radiators and Cores for All Cars, Trucks and Tractors.

"Desire to Serve — Plus Ability"

Branches at  
**Lethbridge & Red Deer**







## Don't breed yearling heifers

IN 1946, fourteen yearling heifers were bred at the Manyberries Station. Two of these heifers lost their calves in April, 1947, and several of the others required assistance at parturition. All calves were weaned on October 30, and the weights of the cows and calves were taken on the same day. The twelve two-year-old heifers which had reared calves had an average weight of 873 pounds, whereas twelve dry two-year-old heifers averaged 1,018 pounds—145 pounds heavier. The calves from the two-year-old heifers were smaller and less thrifty than those from the three-year-old heifers and mature cows. Calves from the two-year-old heifers averaged 325 pounds, compared with all the other calves which averaged 423 pounds—98 pounds heavier.

The losses at calving time, the difficult parturition encountered, the arrested development of the heifers, and the lower weight of their calves indicate that under usual ranch conditions the breeding of yearling heifers is not a practice to be recommended. However, under favourable conditions of management and abundant feed, it might be justified. An experiment is under way to determine the lifetime production of early-bred cattle and the additional feed requirements.

## Iodine saves livestock lives

JUDGING from the numerous reports received by the Experimental Stations regarding the high incidence of dead, weak, and goitrous animals at birth, importance of supplying iodine to all farm animals and especially pregnant animals needs re-emphasizing.

Iodine deficiency symptoms are seldom evident in mature animals but are very evident in the newborn animals. The young from iodine deficient animals usually are born dead or very weak and may have enlarged goitrous necks. Newborn pigs often are hairless and have thick, pulpy skin. Newborn animals affected with iodine deficiency seldom survive and there is practically nothing that can be done to cure it once it has occurred. The only sound approach is prevention by supplying iodine to all pregnant animals.

Iodine is required in only very small amounts and can be most

conveniently supplied by feeding iodized salt to all livestock

throughout the year. The amount of iodine supplied by iodized salt is usually sufficient but if cases of goitre have occurred it is advisable to add additional iodine to the feed or salt.

Iodine mixed with salt at the rate of one ounce of potassium iodide to 500 pounds of salt should supply ample amounts.

This is most easily prepared by thoroughly mixing the potassium iodide with about 2 pounds of salt and then mixing this into the remainder of the salt. Since iodine is quite unstable when mixed in salt no more should be prepared at one time than is required for about one month.

Potassium iodide may be secured from any drug store.

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**I'm delivering Electricity to thousands more Alberta farms every year . . .**

Already this Company is serving 5,000 Alberta farm families. Included are 33 Rural Electrification Groups. In addition:—

19 Rural Electrification Association projects are under actual construction in the following areas:

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Didsbury West	Okotoks-	Ray	West Leduc
Lyalta	DeWinton	Ridgewood	West Liberty

9 Rural Electrification Association projects are already surveyed for co-ops at:

Battle River	Brooks-Cassils	Foothills-Simons Valley
Blindman Valley	Cremona	Longview
Bowden	Evergreen	Raymond

Actual Construction Work is under way — or will be, at the earliest possible date.

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# RUNGLAND

## THE FAMILY ENTERTAINER

BY  
A.W. NUGENT  
THE WORLD'S  
LEADING  
PUZZLE MAKER



**A RIDDLE**  
WHY IS THE  
NOSE IN THE  
CENTER OF THE FACE?



### ★ STAR CROSS-WORD PUZZLE.

TRY TO FIT FIVE FOUR-LETTER WORDS IN THE STAR TO FIT THE FOLLOWING DEFINITIONS: 1, LIFELESS; 2, IMPARTIAL; 3, THE GRADUATED FACE OF A TIMEPIECE; 4, A FORAY; 5, WILLINGLY.



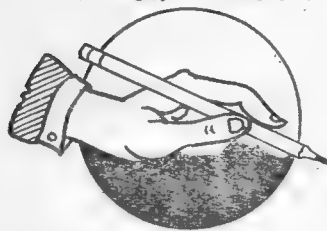
A.W. NUGENT

### WORD CHANGING.

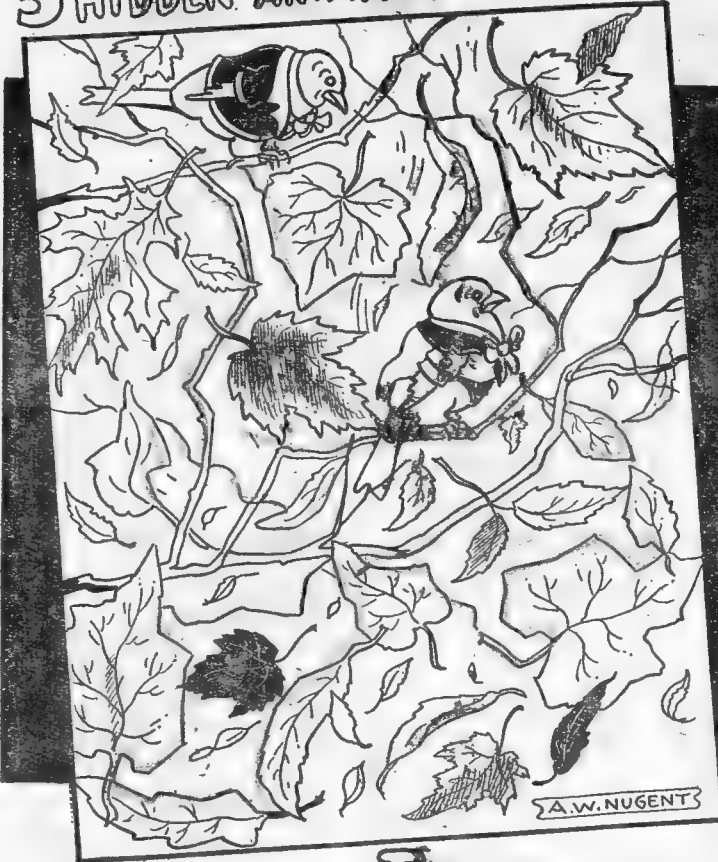
FIRST I AM A FOUR LETTER WORD MEANING TO SHAPE; CHANGE MY INITIAL LETTER AND I AM A METAL; AGAIN, AND I AM FRIGID; AGAIN, I AM BRAVE; AGAIN, I AM A PLAID; AGAIN, I SUPPORT.

WHAT ARE THE SIX WORDS?

1. MOUL
2. GOUL
3. COUL
4. BOUL
5. FOUL
6. FOUL



### 3 HIDDEN ANIMALS



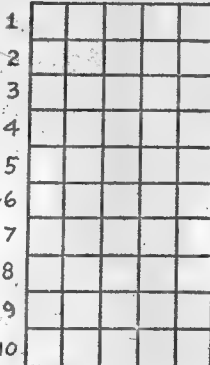
THREE FULL OUTLINE BODIES OF A GOAT AND TWO DOGS ARE HIDDEN IN THIS COLD SCENE. CAN YOU UNCOVER THEM?

12-8-46

(Released by The Associated Newspapers)

IF YOU PRINT THE CORRECT WORDS IN THE BOXES READING ACROSS, THE CENTRAL ROW OF LETTERS, READING DOWNWARD, WILL SPELL THE

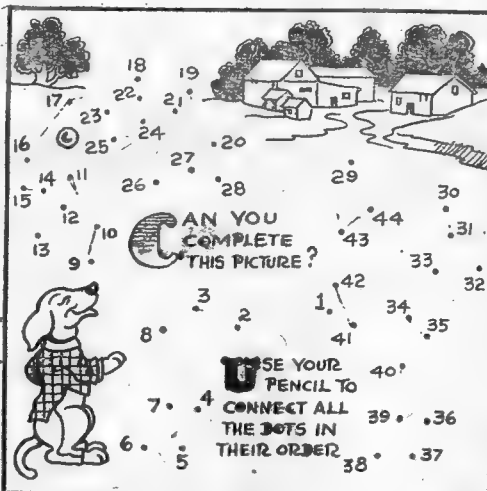
NAME OF A PATRON SAINT. . . . THE DEFINITIONS ARE: 1, SWIFTNESS; 2, TO CHANGE; 3, A SMALL BOAT; 4, AN ASSUMED NAME; 5, PARROT-LIKE BIRD; 6, A COLORING MATTER; 7, EVADE; 8, COURAGE; 9, LARGE MUSICAL INSTRUMENT; 10, A KIND OF GUM.



SHADE IN ALL OF THE DOTTED SECTIONS AND SEE WHAT HAPPENS.

A RELATIONSHIP QUESTION. ASK YOUR FRIENDS IN AS INNOCENT A MANNER AS POSSIBLE, "HERE IS A TRICKY POINT. CAN A MAN MARRY HIS WIDOW'S NIECE?" YOU ARE CERTAIN TO CATCH SEVERAL PEOPLE ON THIS ONE, FOR AFTER THEY HAVE ARGUED THE POINT YOU EXPLAIN THAT NATURALLY HE COULD NOT, BECAUSE HE WOULD BE DEAD!

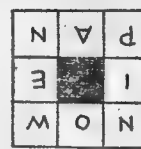
PITCHING CARDS INTO A HAT IS A VERY FASCINATING GAME. . . . TAKE TURNS WITH TWO OR MORE PLAYERS PITCHING A PACK OF CARDS, ONE AT A TIME, INTO A HAT FROM ABOUT SIX FEET AWAY FROM IT. THE PLAYER WHO PITCHES THE GREATEST NUMBER OF CARDS IN THE HAT WILL BE THE WINNER.



AEINNOPW  
PRINT THESE EIGHT LETTERS IN THE BOXES TO FORM EIGHT THREE-LETTER WORDS.

PUZZLE SOLUTIONS

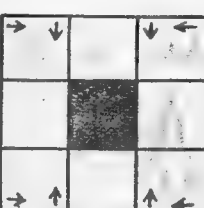
WORD-PUZZLE:  
A NEW ROOM  
SWEEPS CLEAN.



### SIMPLE DRAWING LESSONS FOR CHILDREN. FACIAL EXPRESSION.

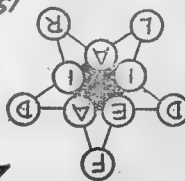


DEAR CHILDREN: ALWAYS REMEMBER THAT FACIAL EXPRESSION IS VERY IMPORTANT IN DRAWING. REPEAT THESE SKETCHES, THEN ORIGINATE OTHERS.



THE WORDS MUST READ FORWARD AND BACKWARD IN THE DIRECTIONS INDICATED BY THE ARROWS.

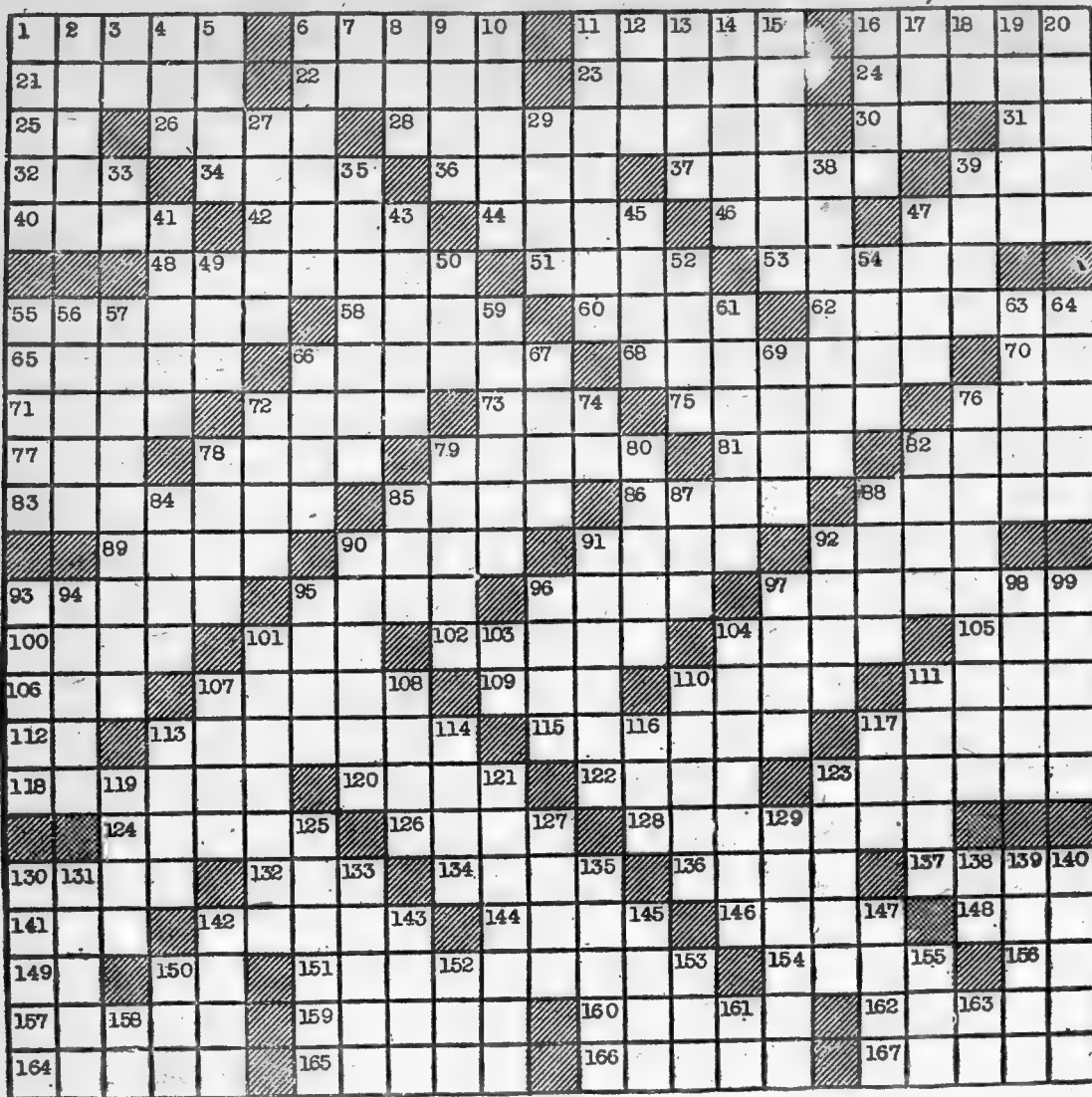
HIDDEN ANIMALS: A LARGE GOAT IS UPSIDE DOWN IN THE CENTER OF THE DRAWING. ONE DOG IS IN THE LOWER RIGHT CORNER AND THE OTHER DOG IS IN THE LOWER LEFT CORNER.  
RIDDLE: BECAUSE IT IS THE SCENTER (CENTER).  
PATRON SAINT PUZZLE: THE CENTRAL LETTERS OF HASTE, ALTER, CANOE, ALIAS, MACAW, OCARE, AVOID, VALOR, PIANO AND RESIN WILL SPELL ST. NICHOLAS.



(Released by The Associated Newspapers)



## OUR CROSSWORD PUZZLE



## HORIZONTAL

- 1 Heavy chain  
6 Pertaining to the throat  
11 College officials  
16 Preposition  
21 Turkish prince  
22 Musical drama  
23 Striking effect  
24 Gun chamber  
25 Part of "to be"  
26 Outfit  
28 To weaken  
30 Cooled lava  
31 Pronoun  
32 Swamp  
34 Cries  
36 Bench  
37 More unusual  
39 Sheltered side  
40 Soon  
42 Word of regret  
44 Apothecary's measure  
46 Law (Latin)  
47 Related  
48 Vehemence  
51 Hat  
53 Deprive  
55 Orchards  
58 Performs  
60 Greenland settlement  
62 Those borne  
65 Household gods  
66 Cardboard box  
68 Tiny body  
70 Hawaiian bird  
71 Sheep genus  
72 Large bundle  
73 Protuberance  
75 Undressed kid  
76 Land measure  
77 Implore  
78 Ill-bred persons  
79 Provisions  
81 Bishopric  
82 Girl's name  
83 Newspapermen  
85 Weather indicator  
86 Salutations  
88 Tarries  
89 Norse Fates  
90 Separate  
91 French airplane  
92 Offspring  
93 Frighten  
95 Ala  
96 Speck  
97 Splash  
100 Head  
101 Provide crew  
102 Additional  
104 Tinted  
105 Period of time  
106 Regret  
107 Outbursts of passion  
109 Lubricate  
110 Braided  
111 Black bird  
112 Part of "to be"  
113 Specimens  
115 Entreats  
117 This (pl.)  
118 Monotony  
120 Wife of Geraint  
122 Grit  
123 More beloved  
124 Mountain range  
126 Nip  
128 Bank employees  
130 To cram (slang)  
132 Color  
134 Cut of marble  
136 Hard of hearing  
137 Point of compass  
141 Diving bird  
142 Former Russian rulers  
144 Fiber plant  
146 Attracted  
148 Pronoun  
149 That thing  
150 Pronoun  
151 Revolutions  
154 Dredge  
156 Printer's measure  
157 Kind of fish  
159 Become available  
160 Barrel slat  
162 Having shoe bottoms  
164 Coarse grass  
165 Sand hills (var.)  
166 Citadel  
167 Growth on skin (pl.)

## VERTICAL

- 1 Mohammedan shrine  
2 Sun god  
3 Exist  
4 Support  
5 Period of time (pl.)  
6 Eat greedily  
7 Above  
8 Meadow  
9 Esthetics  
10 Classified  
11 Having notched edge  
12 Old French coin  
13 Winglike  
14 Pertaining to birth  
15 Cubic meters  
16 Seaweed substance  
17 New Zealand bird  
18 Hindu ejaculation  
19 Banister  
20 Covetousness  
27 Highways  
29 Organs of hearing  
33 Depart  
35 Loose slippers  
38 Force out person  
39 Canter  
41 Part of church (pl.)  
43 Tally  
45 Clever sayings  
47 Ebb and flow of water  
49 Things, in law  
50 Still  
52 Soft food (pl.)  
54 To irritate  
55 Orb  
56 Ranted  
57 Begin  
59 Having sound  
61 Sheltered  
63 Perch  
64 Soft drinks  
66 Vehicles  
67 Short letter  
69 Female ruffs  
72 Cremate  
74 Exist  
76 Blustery fellow  
78 Center  
79 Lading of a ship  
80 Flavor  
82 Rage  
84 Ripped  
85 Large vehicle  
87 Large tub  
88 Mustard plant  
90 Hinge pin  
91 Deciphers  
92 Hastened  
93 Small spar  
94 Reason  
95 Peevish  
96 Vessel  
97 Petitions  
98 Eaten away  
99 More unpollished  
101 Maskers  
103 Preposition  
104 Crowded together  
107 Showy ornament  
108 Japanese coins  
110 Beat with stick  
111 Pursue  
113 Mathematical term  
114 Transgressions  
116 Consume  
117 Prefix: three  
119 Moist  
121 Swells  
123 Postpone  
125 Cauterized  
127 Sanskrit dialect  
129 Pantry  
130 Torments  
131 Extremely odd  
133 Male bee  
135 Push up (coll.)  
138 Conjunction  
139 Steep  
140 Cares for  
142 Head (Fr.)  
143 Bewilder  
145 Combining form: within  
147 Lave  
150 Embrace  
152 Land measure  
153 Carpenter's tool  
155 Tibetan gazelle  
158 Hypothetical force  
161 Norse deity  
163 51

SOLUTION NEXT MONTH

## Skinny men, women gain 5, 10, 15 lbs.

Get New Pep, Vim, Vigor

What a thrill! Bony limbs fill out, ugly hollows fill up, neck no longer scrawny, body loses half-starved, sickly "bean-pole" look. Thousands of girls, women, men, who never could gain before, are now proud of shapely, healthy-looking bodies. They thank the special vigor-building, flesh-building tonic, Ostrex. Its tonics, stimulants, invigorators, iron, vitamin B<sub>1</sub>, calcium, enrich blood, improve appetite and digestion so food gives you more strength and nourishment, put flesh on bare bones. Don't fear getting too fat. Stop when you've gained the 5, 10, 15 or 20 lbs. you need for normal weight. Costs little. New "get acquainted" size only 50¢. Try famous Ostrex Tonic Tablets for new vigor and added pounds, this very day. At all drug stores.

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Antiseptic OINTMENT

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1840-1905

You must have proper bowel elimination.

If you feel out of sorts, nervous, and suffer from headaches, gas, bloating, upset stomach, bad breath, lack of appetite, loss of sleep — remember — it may all be due to constipation. To relieve constipation

## Forni's Alpenkräuter

has proved to be an ideal medicine. Use as directed. Gently and smoothly this laxative and stomachic- tonic puts sluggish bowels to work and aids them to eliminate clogging waste matter; helps expel constipation's gas, gives the stomach that comforting feeling of warmth. Alpenkräuter's amazing effectiveness is due to a scientific formula which combines 18 (not just one or two) of Nature's medicinal herbs, roots and botanicals—a secret formula perfected over a period of 78 years. Yes, for prompt, proven, pleasant relief for constipation's miseries get Alpenkräuter today in your neighborhood or send for

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Tests Prove New Sudsing Action  
**OLD DUTCH CLEANSER** cleaned faster,  
easier than any other leading cleanser.

**MADE IN CANADA**

## Two hearts only know

By LETA LINDSAY

IT was apparently a case of love at first sight, and a very satisfactory arrangement to the friends on both sides. To Miss Maiteland's friends, because a girl must not always think only in terms of a career. To Mr. Harvey's friends, because they scorned the possibility of him becoming an "old" bachelor.

So when Lyle Harvey, thirty-three, wealthy, handsome, and a true gentleman, the most sought-after man in his group, took time off during his flight of escape from femininity to glance at the famous Rosalie Maiteland, uncertain age, beautiful and successful authoress, — that was news. News of the type that needs no propagation to insure its growth and travel.

They had known each other only a week, when the public began its predictions of a lasting romance between the two. The press printed their pictures. Their names were in the headlines. It was as if Rosalie and Lyle had suddenly been caught upon a stage, with footlights playing upon them while the world, that is, their own particular part of it, stopped to sit down and watch developments. From the day of their meeting their ultimate marriage was an accepted fact by everyone.

Everyone, that is, except Rosalie Maiteland and Lyle Harvey.

It was a feathery day in early May. The couple were driving in the country. The top of the convertible was down, so that the spring breeze could play upon their faces. Rosalie's auburn hair blew gently back from the wide blue ribbon that was tied about it. Her cheeks glowed, and her eyes danced from one beauty of nature to another, as the car wove its way slowly along the tree-bordered trail.

Lyle's dark eyes met hers for a moment. "The country is wonderful in spring," she said.

"I wasn't looking at the country just then," Lyle admitted with a laugh.

"What then?"

"You. I was looking at you and thinking of another girl," he said awkwardly.

"Which is very flattering — to the other girl," Rosalie said merrily, and the man at her side wondered why she should seem so pleased.

"Do you know," he continued, "that there was once a time when I had nerve enough to tell a girl that it was impossible to be beautiful and have a career at the same time. You

have proved to me that it can be done."

"Was she beautiful, or a career girl?"

"Oh, she was beautiful! But it was a different beauty than yours Rosalie. A kind of undomesticated beauty. Understand what I mean? Beauty just as nature had given it to her. Like a wild flower. Your beauty has been nurtured, cared for, trained, like a plant in a lovely garden. Yet strangely, you remind me a little of her."

"And did she ever become famous?"

"If she had, I would have heard, so I expect she didn't."

"Her name?"

"Connie Brown. Ever hear of her? She was sixteen when I knew her — pale blonde hair hanging straight to her shoulders, great blue eyes, a complexion that was made for desert."

Rosalie listened politely. "Tell me more," she said simply.

"Are you really interested?" he asked doubtfully. "You shouldn't be. I mean, it isn't traditional for a girl to enjoy hearing a man play up the beauty of another girl. I hadn't intended for the conversation to lead to this. It was only that — only that something about you made me think of her. Perhaps the way you threw back your head while the breezes kissed the blossoms on your cheeks. Connie used to do that too."

Lyle's face reddened with embarrassment at his tactlessness, but Rosalie said seriously. "It's really all right, Lyle. I'd like to hear about her. After all, you and I have told each other so little about ourselves and our friends of the past. You loved her?"

"Yes."

"What happened? I mean, if you wish to tell me."

"It can make no difference now. Yes, I shall tell you. You may under-

stand, being a writer yourself. Connie was only sixteen. I was twenty-two. Eleven years ago it was. Funny how it still seems so real.

"We were sitting on a log fence down on my Uncle's farm. The moon was shining behind her head making a kind of halo about it. I thought she looked as nearly like an angel as any one on earth ever could.

"'Connie,' I said, 'give up that crazy notion of being a writer. Marry me, and we'll live on a little farm and be happy all our lives'.

"'I've got to write, Lyle,' she told me, 'it's got to be. There's something tugging me from inside, beckoning me toward a writing career. It may end in a haze of smoke — my air castles and manuscripts together, but I'll never be satisfied until I try.'"

Lyle paused to draw a deep breath. Perhaps it was a sigh. He pulled the car to the side of the road and stopped.

"Please tell me more, Lyle," Rosalie urged gently. Her eyes seemed almost misty as she gazed far out beyond the horizon. Lyle wondered vaguely why the story should be of interest to her. Then suddenly the thought stung him that she was planning to use his story, this sacred part of his very being, as the theme of a new book.

She couldn't do that to him. He wouldn't allow it. To print such a story would be to make it a cold dead thing. It would be like cutting out one's heart for the purpose of laying it before ravenous beasts.

But upon the heels of this thought came another. If Rosalie did put it in a book — this beautiful heart warming story of his undying love for Connie — supposing Connie should read it! She would know he still cared. And maybe, if she was still free, she would come back.

Lyle went on. "I tried to discourage her. I pleaded with her. Ah, she was too young to marry, but I didn't realize that then. I loved her with all the power that was in me.

"Give me the chance," she entreated. Her face looked tense and white there in the moonlight. "Give me three years. No, give me five. Then I'll be twenty-one. I'll go away, somewhere, to write. If I succeed, you'll hear about it. If I fail, then you need never know where I went. Five years, Lyle?"

"Five years, then, Connie," I said because there was no other choice. 'If it'll make you happy, I'll wait five years.' Then I handed her a little key I had carved and engraved with the words, 'Key to my heart. L.H.'"

"Whenever you are ready to come back, Connie, remember, you carry the key to my heart. And if you do fail, your welcome will be no less than if you come back with fame."

"I've never seen nor heard of her since, though I've tried in every way to locate her. The past few years though, I gave up. Perhaps she is already married to someone else."

Lyle didn't look at Rosalie. He kept his eyes on the road ahead. His mouth was tight.

"You still love her, Lyle," she stated.

"I always shall."

"But she is perhaps, as you say, married to someone else. Do you not think if she still loved you, she would have come back? It has been eleven years, you say, since she left."

(Continued on page 36)

## The Dishpan Philosopher

FEW folks can find a word of praise for poor November's thirty days. But still November has its place, if only as a breathing space between the season's work just through and Christmas time and its to-do. With men-folks taking on the chores I like this denning-up indoors, and with the heater going strong the nights are not a bit too long. It's nice to sit and sew or knit, or sometimes even just to sit. And usually, it seems to me, November is a month that's free of special jobs that must be done before a new month is begun.

But, anyway, time marches on — November days will soon be gone. Then Christmas and a brand New Year will be along with all their cheer. But for the folks who want a rest November of all months is best.



## Washing bedspreads and rugs

Washing bedspreads, small rugs and curtains is a part of the fall housecleaning. But they may have to be done more often than we have to wash walls.

Bedspreads are made up of so many materials that the type must be considered. Chenille and candlewick spreads are very popular.

If no tag is attached, it is best to test a corner of the spread in lukewarm water. If it does not fade, it is safe to wash the whole spread in lukewarm water.

Fill tub of washer to the water line, make a three-inch standing suds of mild soap, and wash the spread three to five minutes, turning it over in the water occasionally.

Wash only one spread at a time, and if it fades, do not put one of another color into that water, but start with fresh suds. Rinse in two lukewarm waters.

Hang across two lines without wringing or twisting, and allow to drip dry. Brush nap frequently while drying, so as to avoid matting.

When dry, spread over bed and brush with a whisk-broom. This will restore all the original

fluffiness. Use the whisk-broom also to disentangle the fringe on the edges.

A chenille spread does not require ironing. Candlewick spreads — if they are closely tufted — should be ironed on the wrong side, with the tufted side on a turkish towel or several thicknesses of old blanket.

For a crocheted bedspread, extra care should be taken. It may be a gift or it may be a prized creation of your own.

It is best to pin — or, better still, baste — the crocheted bedspread to a heavy sheet. It must lie flat.

Then wash in lukewarm, heavy suds. Let the washer run about two minutes, then turn the spread over in the water. Let the machine run another three minutes.

If there is any remaining soil in the spread, turn it over again in the washer and allow the machine to run another minute.

Support the spread carefully with both hands while lifting it from the water. Allow to drain a few minutes. Then rinse in two or three lukewarm waters.

Many of our window curtains can be satisfactorily washed at home. They are easier to wash, too, than many of the large pieces, as they are light in weight and easier to handle.

Remove curtains from windows and shake out the surface dust. Determine the type — cotton, rayon or nylon. If of cotton, make a suds of hot water and soap. Place curtains in washer and let machine wash from three to five minutes. Wring through loosened wringer, rinse through two waters, and starch to desired stiffness.

Stretch on curtain stretchers and allow to dry. With a very warm iron, press edges to remove stretcher marks and ruffles.

If curtains are of rayon or nylon, use lukewarm water with a three-inch standing suds. Wash two or three minutes, and rinse two or more times in lukewarm water.

Mount on curtain stretchers and allow to dry. Remove from the stretchers and press the edges and ruffles with a warm iron.

Many throw-rugs can be laundered, especially the rag-rug type. Fill washer to water line, add soap to make a three-inch standing suds, add rugs, and wash four to eight minutes. Rinse two or three times in lukewarm water and hang over line without wringing. Allow to drip. When almost dry, pull gently into shape.

Some soft-piled rugs may be cleaned by the above method if fast-colored. But it is best to have them either dry-cleaned or sponge sudsed unless they are marked washable. — *Wallaces' Farmer.*

## Figure Compliments



THE prettiest two-piecer that ever made a lady look more slender! Soft, but not fancy, with graceful gathers-at-yoke, new collar at neckline, paneled skirt!

Pattern 9152 comes in sizes 34, 36, 38, 40, 42, 44, 46, 48, 50. Size 36 takes 4 1/4 yards 39-inch fabric.

Send TWENTY-FIVE CENTS (25c) in coins (stamps cannot be accepted) for this pattern. Print plainly SIZE, NAME, ADDRESS, STYLE NUMBER.

Send your order to Farm and Ranch Review, Pattern Department, Calgary, Alberta.

Finest Quality Tea

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Safety Glass for Automobiles, Any Make of Car  
THE BENNETT GLASS CO. LTD.

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FOR THRIFTY WHOLESOME MEALS

ASK FOR

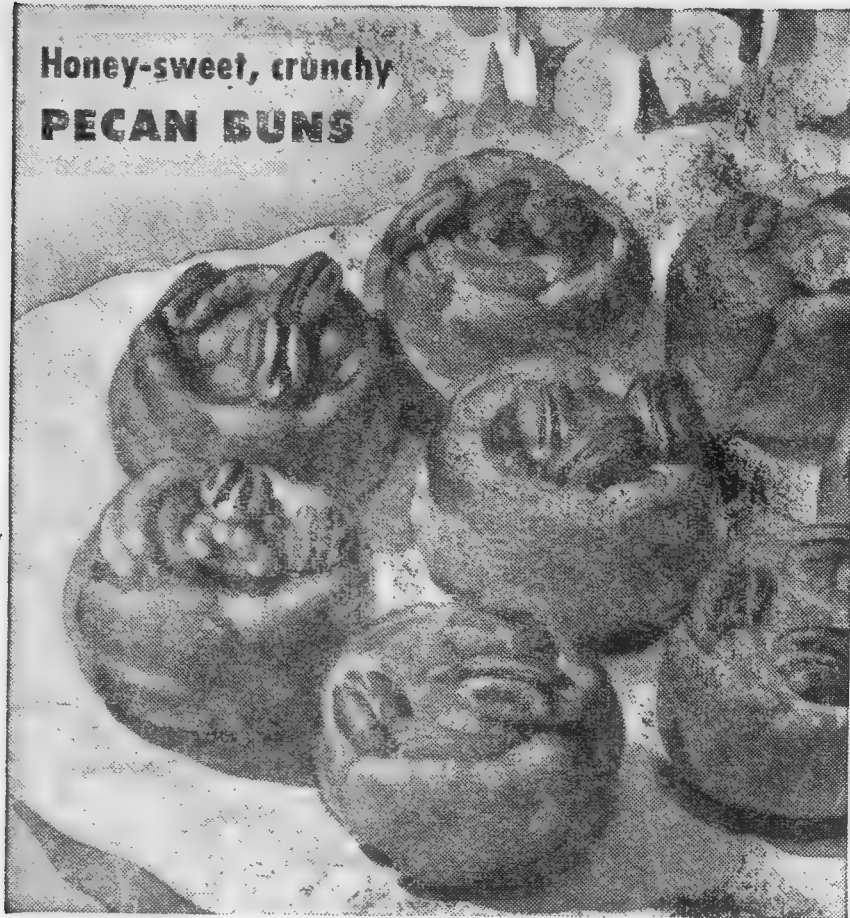
## Burns Pantry-Shelf Canned Meats



For hungry men-folk . . . for company at a moment's notice . . . every day the year round you'll find a supply of Burns delicious canned meats, a real saving of time and trouble.

## Special sparkle for a simple meal

### Honey-sweet, crunchy PECAN BUNS



*they're a tempting treat!*

● Luscious for lunch—delicious for dinner—any meal of the day, these fragrant Honey Pecan Buns are delectable eating . . . made with modern Fleischmann's Royal Fast Rising Dry Yeast.

If you bake at home—use it for speedy rising action and perfect results—amazing new convenience, too! You can keep Fleischmann's Royal Fast Rising Dry Yeast for weeks on your pantry shelf without refrigeration! Then dissolve it and use exactly like fresh yeast—for delicious flavor and fine crumb in everything you bake. Get several packages at your grocer's.

\* \* \*

### HONEY PECAN BUNS New Time-Saving Recipe Makes 24 Buns

Measure into bowl  
1/2 cup lukewarm water  
1 teaspoon granulated sugar  
and stir until sugar is dissolved.  
Sprinkle with contents of  
1 envelope Fleischmann's Royal  
Fast Rising Dry Yeast  
Let stand 10 minutes, THEN stir well.  
In the meantime, scald  
1/2 cup milk  
Remove from heat and stir in  
1/4 cup granulated sugar  
1/2 teaspoon salt  
3 tablespoons shortening  
Cool to lukewarm and add to yeast  
mixture. Stir in  
1 egg, well beaten  
Stir in  
1 cup once-sifted bread flour  
and beat until smooth; work in  
2 1/2 cups once-sifted bread flour  
Turn out on lightly-floured board and

knead dough lightly until smooth and elastic.

Place in greased bowl, brush top with melted butter or shortening.

Cover and set dough in warm place, free from draught and let rise until doubled in bulk. While dough is rising, grease 24 large muffin pans.

Combine

1/3 cup brown sugar (lightly pressed down)

2/3 cup liquid honey

3 tablespoons butter or margarine, melted

Divide this mixture evenly into prepared muffin pans and drop 3 pecan halves into each pan. Punch down dough and divide into 2 equal portions; form into smooth balls. Roll each piece into an oblong 1/2-inch thick and 12 inches long; loosen dough. Brush with melted butter or margarine.

Sprinkle with a mixture of

1/3 cup brown sugar (lightly pressed down)

1/3 cup chopped pecans

Beginning at a 12-inch edge, roll up each piece loosely, like a jelly roll. Cut into 1-inch slices. Place a cut-side up, in prepared muffin pans. Grease tops. Cover and let rise until doubled in bulk. Bake in moderately hot oven, 375°, about 20 minutes. Turn out of pans immediately and serve hot, or reheated.



## Country Diary

THERE'S the scuffling of leaves underfoot, small bits of brown that the November breeze has sifted and re-sifted into little piles here and there. They have neither summer's green nor autumn's brilliant tones and now their cycle is almost complete.

There's a frosty crispness in the air that spells winter and makes one welcome the inside of the house — the warm shelter of the roof-tree.

There's a change in the farm pace, pressure is relaxed, though it's not exactly a time for leisure. You can look over the bare fields and think not of the long day's toil and the next day's weather, but of a wider scope — the rhythm of the season. How right it is that each year should bring such a time to relax the mind and rest the muscles which have latterly taken on an ache.

My town friend remarked the other day, "Oh, November! The thought of it brings on mental shivers." This attitude is more a matter of tradition than anything else and the poets in their gloomy writings have helped to foster it. Even in the city November has its bits of beauty and consolation. In city parks the stale air of summer has become crisp and fresh and charged with energy. Man-made lights hang like jewels and flash in the blue meshes of the dusk. City dwellers stoke their furnaces and forget about them, settling down in wide easy chairs to pass November evenings with fascinating magazines or deeper literature.

Now you can look at the leafless trees and see the beauty and grace of poplars in November. You can admire the tapestry design of their dark branches against the sky whether it be blue or goose-grey. The poets who sing about the young green beauty of trees in spring are apt to ignore the grace and strength laced in their bare arches, and the intricate traceries of tapering boughs only fully seen when the leaves have fallen.

You can watch the birds that stay for the winter as they move more familiarly about the house-yard. Not that they are ever absent; the domestic scraps always have an attraction for chickadees and sparrows and wrens. They still have their little pickings in stacks and fields, but they look to you for hand-outs to help them through the winter.

If it is a favourable November you can clean up and burn all the stalks and roots and trash of the vegetable garden and perhaps get it all ready in case of an early spring. And there are always the little repair jobs to be done, such as fixing a fence or hinge or latch here and there, putting a new pane in a storm

window and snuggling the place for winter.

It may be a month of icy winds, snow and bluster, but on entering this November I am reminded of last year when a second helping of Indian summer made it an enchanted month. I wrote of the mild and hazy-bright days aromatic with a blend of the sad smell of rotting leaves, pungent bonfire smoke and the vague scent of straw. Such a November I hope for again.

But nevertheless the countryman and his winter will soon be together again. Here is one who looks forward to its security and calm. November darkness which ends the short day is not deep darkness, for the prairie sky is lightened by the seven doves in their flight from the east [the Pleiades of mythology] and silvered by moonlight.

□ □ □

### Lemons in every home!



By LOUISE PRICE BELL

LEMONS are healthful, and every home should use them for all kinds of good dishes, as well as for warm weather beverages, hand lotion ingredients, garnishes for fish, etc. Doctors are very high in their praise of this healthful fruit because it contains such a heavy amount of the very vitamins needed by our systems. Children can be taught to make a glass of lemonade when they come in from school, as a change from milk, although never to take the place of it. Very often if they want a snack quite near mealtime, a glass of lemonade and a cookie will cut the edge from their appetite, yet not spoil it for the nearby meal. . . . where milk, being a substantial food, would probably spoil their appetite entirely. So keep lemons in your refrigerator or cellar all of the time; you'll find hundreds of ways to use them. Did you know, for instance, that a cut lemon will remove those stains on your hands that you get when canning berries?



## AUNT SAL SUGGESTS . .

*November is the month I like,  
The least of all the year,  
So let's think up some handy  
hints,  
To scatter bits of cheer.*

WHAT is your first reminder that Christmas is on the way? . . . The first snowstorm? Or maybe it's the first person who tries to interest you in buying some Christmas cards? As a rule I show a very low sales resistance towards door-to-door salesmen . . . especially if the salesmen are children. But I was quite tough towards the first small card peddler this year. You see it was a blistering hot day in September and it was also wash day. My machine is quite a noisy one and when for the third time my small caller screamed out: "Do you want to buy some Xmas cards?" I screamed back, "That's what I thought you said the first time. No thank you." When I related the little incident to my husband at the dinner table he said, "I know just how you feel . . . some travellers were in the store today, wanting us to make out our Christmas order . . . fancy anyone trying to work up a Christmas spirit this weather."

It is commonly agreed that any woman wears her most benign expression when she gazes upon her first born baby. We don't intend contradicting that but we're just going to ask in a very small voice: "have you noticed the look in a woman's eyes when she gazes on her first power-propelled washing machine?" That's nothing less than a modonna-like look too if you ask me. My next door neighbor acquired her first machine recently and I almost beat the drayman into the door to join my oh's and ah's with the proud new owner. Only those of us who have come up

the hard way via wash-board, hand plunger, hand machine and finally power machine can really appreciate the wonder labor-saving device. (Do I hear a lot of ayes from the audience?)

Years ago a washing machine demonstrator gave me a set of rules to follow to turn out the best results. And even though he was "a mere man" I found his advice to be pure gold and so I feel like summarizing them to all who are interested. We might as well name them:

### Sensible Rules for Washing Clothes by Machine

(1) Never load your machine with too many things at once. Always see there is enough water to completely cover the clothes . . . in other words, "let the clothes swim in the water."

(2) Don't use water any hotter than what you can stand your hand in. (Many disagree with this rule and place their things in almost boiling water. That is their privilege . . . but I still hold fast by my opinion.)

(3) Watch out for stains when you're sorting over the clothes. Remember the two worst stains, according to laundries are blood and milk stains. Yet both can be removed very easily with cold water, but both can be "set" with hot water.

(4) Insert the laundry in the order of its dirtiness. I like this order best: (a) Things in connection with eating that is tablecloths, serviettes, doilies and dish towels. (b) Things in connection with sleeping . . . that will take in sheets, pillow slips, night gowns and bedspreads. (c) Things in connection with wearing and wiping . . . that will mean underclothing, hand and bath towels, handkerchiefs. And then come the colored things . . . you sort them of course according to their color and amount of soil.

## LET'S ASK AUNT SAL

*All women have their problems,  
To that we all agree  
Just send those problems to  
Aunt Sal,  
And she'll find help for thee.*

EVERY so often we are stuck with left-over foods to "warm over" into edible ingredients for the next meal . . . and so it is with the material that piles up on my desk. I told you last month I could not supply Mrs. W. R. of Tiger Lily, Alberta, with her requested information on cheese making. Since then a very kind neighbor, Mrs. L. V. C., has sent in very detailed directions for the same. So here goes for:

### Home-Made Cheese

Heat milk to 85° F. For 5 gallons of milk 1½ tps. rennet will be needed and ½ tsp. butter coloring. Mix rennet and coloring in ¼ cup cold water and add to milk. Stir gently, but thoroughly, 3 or 4 min. Remove from stove and leave until firm enough to cut curds. (Insert first finger and thumb in the curds and if no curd clings it is ready to cut). Cut curds with a wire cutter (a clean toaster will serve well). Leave for ten minutes. Stir with the hand gently removing curds from sides and bottom of container. Now heat it to 102 or 104 F. but no higher. Break curds into small pieces while cooking. Remove from heat and cover. Stir every ten min. for ¾ hour. Pour off whey. Add salt and press. Note: 1 tsp. salt will be needed per lb. cheese. One gallon of milk makes about 1 lb. cheese.

Question: There has been quite an avalanche of requests for quilting pat-

terns or patterns for patch-work quilt tops. I have rounded up several of these and sent to various points, but I think the best source of patterns come to you in the pamphlets inside batts for the quilts. When you buy a quilt batt ask the clerk if there is a pamphlet enclosed with it. There usually is.

Question: Is it possible to remove dye stains from the inside of a pot? (Mrs. W. B.)

Answer: Yes, hydrogen peroxide is your helper in this case. Allow 1 tblsp. to each gallon of sudsey water.

Question: You once gave a recipe for dry cleaning feathers. I've lost it and wonder if you would repeat the same.

Answer: Several requests have come in for this very lately so think it merits a repeat. I might state this formula is also good for children's furry coats. Mix together ½ cup borax, ½ cup flour and ½ cup white cornmeal. If cleaning feathers place this mixture in a large paper sack and shake the feathers in the powder. If cleaning a child's coat, etc., rub the powder into the garment then shake well. Lay it aside for a time before using.

Question: I would like to know how to remove perfume or cologne stains from my dresser set. It is pearl on amber. (P. D., Warner.)

Answer: I would first try equal parts of water and hydrogen peroxide. If that doesn't turn the trick, sponge the stain with denatured alcohol. However, if there is already alcohol in the perfume you are apt to be out of luck. I hope for the best.



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## Two Hearts Only Know

(Continued from page 32)

"What you say is true. I cannot argue against truth."

"Lyle," Rosalie spoke gently, "You say I remind you a little of her. Why waste your life? You have wasted eleven years waiting, waiting. Why wait longer?"

"Rosalie," Lyle said tenderly, "I couldn't ask you to be my wife. I do love you, some, but only inasmuch as you remind me of Connie. That is not enough. I would have to love you for yourself, and with no reserves. There is no other basis for a truly happy marriage. Connie still holds the key to my heart, both literally and figuratively."

"Then you will wait?"

"Yes, I've waited eleven years. I can wait longer. Someday she may come back. If and when she does, I shall be free and waiting for her."

Rosalie shut her eyes tight to keep back the burning tears that felt hot against her eyelids. She must remain calm. Finally she managed a small "Would you know her, Lyle? Supposing she has changed? Would you still love her, or is it a memory you love?" Her hope hung like a heavy weight from the thread of these questions. The wrong answer would cut the thread and all hope would be lost.

The answer didn't come for several moments. "Her real self will never change. Her looks will of course. She will be older, perhaps not even pretty any more. But that would be just the outer Connie. The real Connie wouldn't change, except in more virtue and goodness. That is the Connie I love."

Quietly Rosalie reached into her purse and brought forth a small object. It was a key. On it in worn, almost illegible letters were words, "Key to my heart, L.H."

Eleven years is a long time — long enough so that a few more minutes cannot make much difference.

"Where did you get it?" he asked, stunned.

"From you, Lyle, that night on your Uncle's fence. I'm Connie Brown."

The mind is only human. Sometimes it cannot reach around all the facts at once. You dream about something for years, and live for it, and it is your life. When you reach it, your nerves relax and the reality seems like the dream, and the dream like the reality.

Lyle sat in a stupor, looking at Rosalie with his eyes and at Connie with his mind, not able to make the two converge into the one.

Connie started at the beginning. "Shortly after I left, I had a fever. For days I lived in a world of unreality. When I began to get better, my hair fell out. It came in curly auburn instead of straight blonde. I was much thinner, and my memory was gone. I couldn't remember who I was. I didn't know my name. One has to have a name, so I called myself Rosalie Maiteland."

"As long as I had money to pay my way, no one seemed to care who I was, and I managed fine. Then the money became dangerously low, so I started doing housework. In my spare time I began to write. I wrote short stories. Then a book."

"Suddenly Rosalie Maiteland was famous. Newspapermen wanted my life story, but I didn't have one. My new friends offered the information by piecing together what they could, most of which was wrong."

"One morning a few months ago I woke and remembered that I was Connie Brown and that I had come to the city to write. I seemed only to have left home a few days before."

I knew nothing of Rosalie Maiteland.

"When my maid brought my breakfast tray she said 'Good morning, Miss Maiteland,' and handed me a bunch of letters addressed to that unknown name. Before I could protest she was gone."

"Either that girl or I must be ready for a trip somewhere," I thought, "And of course it couldn't be me."

"Then the phone rang and the voice that called me Rosalie seemed annoyed when I didn't know who she was. When I looked at the calendar I knew I had lost my memory. It should have been June, 1935. Instead it was December, 1945."

"I asked the maid to phone my doctor. I didn't know his name myself."

"Not until March did we get things straightened out, with as little publicity as possible. My lawyer helped me straighten up the legal part. My name was legally changed to Rosalie Maiteland because all my royalty cheques and letters were in that name."

"I tried to contact you but without success until the day last month when we met. It appeared to be an accidental meeting — I mean a casual meeting of strangers, but in reality I had at last located you but thought best to remain a stranger until I knew whether you were still free after all these years, and whether you still cared. To me, these three weeks have been the longest of all the years, waiting hopefully and fearfully for the happenings of this day."

They were in each others arms then, with the breath of spring whispering about them. It was a long embrace, which wiped away all the sorrow and doubts of the eternal waiting. The trees sighed their satisfaction above them. The birds sang wisps of romantic tunes. Spring whispered congratulations. All of nature rested its peace upon the couple. It understood.

When they drove back to the city they were surrounded by the bustling mob of friends and strangers.

The couple announced the wedding for a week later. Enough time had already been wasted.

"Another lightning romance," said the public. "Can it stand the test of the years?"

"Famous couple to wed after three-week courtship," stated the press.

But no one guessed that eleven years of faithful waiting separated the engagement from the wedding day.

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### Brushing the Teeth

DECAY in teeth is, in part at least, caused by clinging particles of food which need frequent brushing away. The toothbrush should be moved up and down, not only across the teeth, and inside surfaces should not be forgotten. A visit to the dentist once every six months will save a lot of trouble later on. A baby's first teeth are important. Failure to take care of them may cause the permanent teeth to be crowded or irregular.

□ □ □

### Foot Comfort

GOOD shoes and proper care of the feet are most important for health and comfort. Feet should be washed or given a brisk rub in cold water daily. Socks should be washed frequently to keep them soft. A change of socks after work is refreshing, and a change of both shoes and socks is imperative if the feet are wet.

For a different mincemeat pie, add a cup of cranberries to each cup of mincemeat.

\*\*\*

Cheese wrapped in a cloth wrung out in weak vinegar will keep fresh for a long time.

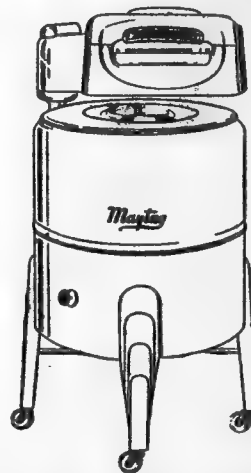
## ARE YOU More Irritable These Days?

Has the "wear-and-tear" of modern living—with its daily struggle to make ends meet despite shortages and "high prices"—begun to wear on your nerves? Do you feel you're not getting enough rest—and feel so edgy half the time, you can't enjoy life any more?

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# Those inevitable school lunches

By LOUISE PRICE BELL

As soon as school starts, lunch-boxes are in order. Planning and preparing these lunch boxes seems simple right at first but as time goes on, ideas seem at a premium and the lunches are too likely to go a bit uninteresting. This is a state that shouldn't be allowed to occur because growing children need well-balanced meals of the right sort. Such foods as whole, fresh fruits, raw vegetables, protein sandwiches, fruit sandwiches and wholesome desserts should make up the noon-day meal-in-a box. The thermos can contain warm or cold milk, cocoa, vegetable soup, or some preferred beverage such as hot tomato juice.

Whole fresh fruit is convenient to pack, and very important to health. Ruddy oranges should be included often and are always on the market. They furnish

of filling, so don't be too stingy with it, for their healths and appetite's sakes!

Most children like fruit sandwiches such as ground dried prunes, peaches, apples and raisins. These mixed with orange juice and spread between brown, or whole wheat bread, are sure to add interest to a lunch. Accompany such sandwiches with a hard cooked egg, or cheese wedge.

Cookies, or cup cakes make suitable and welcome desserts, and can be varied in many ways from time to time. Occasionally add a candy bar or some shelled nuts as a surprise treat. Mints often delight, too.

Since sandwich fillings are often a bugaboo to mothers, here are a few suggestions that may help vary that part of the lunch-box meal.



Meat or fish sandwiches, a hard-cooked egg, celery hearts, three plump olives, milk in the thermos bottle, and a generous piece of cake and a juicy orange . . . here is a school lunch that is not only well balanced and wholesome, but the kind that youngsters call KEENO!

the essential Vitamin C, too, which might be lacking in the lunch without an orange. For easy eating at lunch time, cut the peel away, except for a strip down the middle. Besides oranges, apples, grapes, pears, peaches, and fruits in season help to vary the lunch menus.

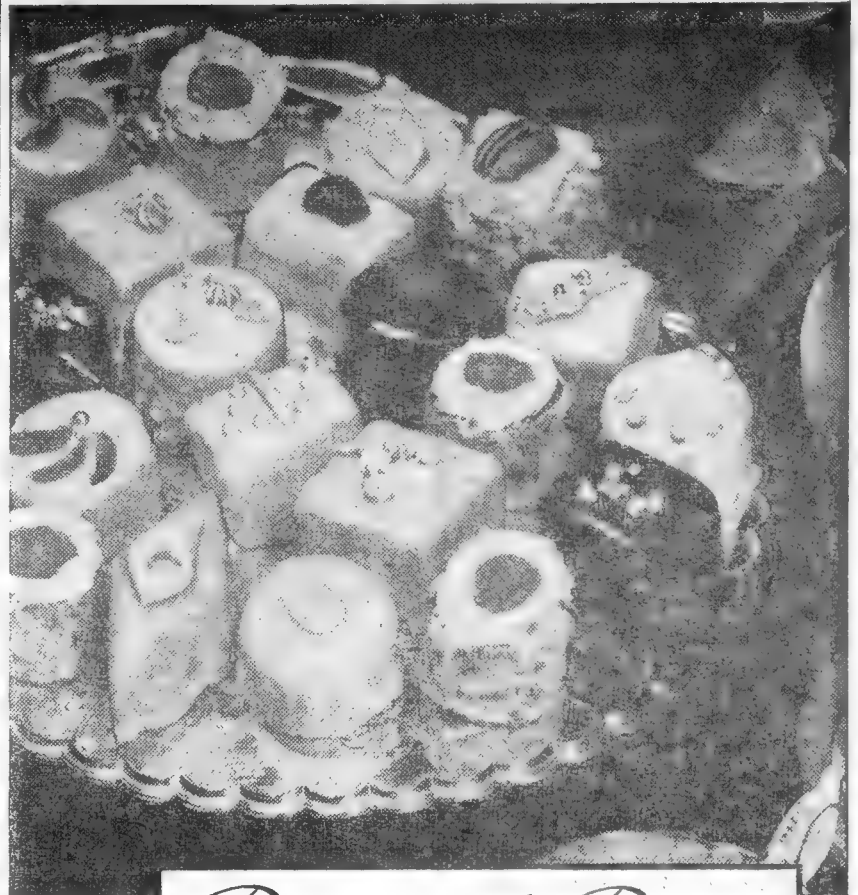
Crisp celery hearts, carrot strips, cauliflowerettes, tomato slices, all are good eating with sandwiches of whole wheat or enriched bread. Fillings may be meat slices, or mixtures, fish, cheese, peanut butter, etc. To give the proper protein support to the meal, 4 tbsps. of protein fillings should be used. And remember, youngsters like heaps

*Carrot and raisin sandwiches* are made from grinding the two ingredients, then mixing with salad dressing. Spread on bread.

*Orange and Peanut Butter* filling is made by mixing 1/3 cup of peanut butter with a 3-ounce package of cream cheese, 1 tbsps. orange juice and 1/2 tsp. grated orange rind.

*Carrot and Peanut Butter* filling is a combination of ground raw carrots and an equal amount of peanut butter, moistened with salad dressing.

*Jelly and Cream Cheese* sandwiches are made by spreading one bread-slice with cream cheese, the other with jelly, then combining.



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#### MAGIC PETITS FOURS CAKE

- |                                 |                               |
|---------------------------------|-------------------------------|
| 1 cup sifted pastry flour or    | 5 tbsps. butter               |
| 3/4 cup sifted hard-wheat flour | 1/2 cup fine granulated sugar |
| and 1 tbsps. corn starch        | 2 eggs                        |
| 1 tsp. Magic Baking Powder      | 1 tsp. grated lemon rind      |
| 1/4 tsp. salt                   | 3 tbsps. milk                 |
|                                 | 1/2 tsp. vanilla              |

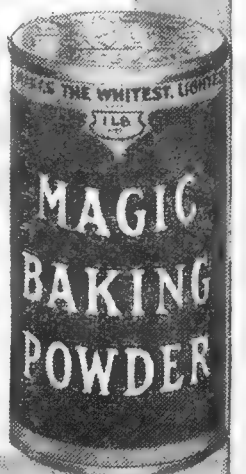
Sift flour, Magic Baking Powder and salt together 3 times. Cream butter; gradually blend in sugar. Add unbeaten eggs, one at a time, beating well after each addition; stir in lemon rind. Measure milk and add vanilla. Add flour mixture to creamed mixture alternately with milk, combining lightly after each addition. Turn into an 8-inch square cake pan which has been greased and lined in the bottom with greased paper. Bake in a moderate oven, 350°, about 25 minutes. Let stand on cake cooler for 10

minutes, then turn out and remove paper. When cold, trim away side crusts and split cake into 3 layers; put together again with a thin spread of Royal Pudding (made up in any of its flavors) or with jam; press layers together lightly. Turn cake top-side down and cut into squares or diamonds with a sharp knife, or cut into fancy shapes with sharp little cookie cutters. Spread with butter icing or arrange, well apart, on cake cooler and cover with the accompanying Petits Fours Frosting. Decorate as desired.

#### PETITS FOURS FROSTING

- |                          |                             |
|--------------------------|-----------------------------|
| 1/4 tsp. plain gelatine  | 1/4 cup water               |
| 1 tsp. cold water        | 1 pound icing sugar, sifted |
| 1/4 cup granulated sugar | 1 large egg white           |
| 1 tbsps. corn syrup      | 2 tbsps. shortening         |
|                          | 1/2 tsp. vanilla            |

Soften gelatine in the 1 tsp. cold water. In top of double boiler combine sugar, corn syrup and the 1/4 cup water; over direct heat, bring just to a full rolling boil, stirring until sugar is dissolved. Remove from heat and stir in softened gelatine; cool to 120° (just a little hotter than lukewarm). Stir in sifted icing sugar and then the unbeaten egg white, shortening and vanilla. Place cake cooler of little cakes on a clean dry metal or porcelain table top; slowly pour frosting over little cakes until they are coated. When frosting has been poured, lift cake rack and with a spatula scrape frosting from table top and return to saucepan; heat over hot water until again of pouring consistency and pour over unfrosted cakes—continue in this way until all cakes have been frosted. For variety, frosting may be divided and tinted delicate pastel shades or a little melted chocolate may be added and the frosting thinned with hot water.





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Many women wanted—Learn Hairsdressing—Splendid opportunity — Better paying positions — Personal work — Catalogue free — Canada's greatest system. Write: Marvel Hairsdressing Schools, 326A - 8th Ave. W., Calgary, or 10244 - 101st St., Edmonton, Alta.

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**SHIP** your green and dry cattle hides, green horsehides, sheepskins, horsehair, raw furs to J. E. Love & Sons, Calgary, for best market values.

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**"HOW TO BREAK AND TRAIN HORSES"** — A book every farmer and horseman should have. It is free; no obligation. Simply address Beery School of Horsemanship, Dept. 6411, Pleasant Hill, Ohio.

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**BEAUTIFUL BLACK GELDING**, 9 years; formerly Prince of Wales ranch; saddle or harness. Excellent school or cattle horse. \$50; and cowboy saddle, \$25. Tracey E. McLuhan, 2037 Rose St., Regina, Sask.

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**"SNOWPLANE ENGINES"**, Menasco "Super Pirate" 125 H.P., Gypsy 130 H.P., Kinner 5-cylinder radial 125 H.P., one only Continental 65 H.P.; repair parts, instructions, accessories. M. Galbraith, 32 Delaware Ave., Burlington, Ont.

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**TEXTLITE SINGLE AND MULTIPLE GROOVE MAUREY PRESSED STEEL CONGRESS DIE CASTS**  
 Write for free catalogue.

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**HAVE YOU THAT TIRED RUN-DOWN** feeling, stomach weakness, Rheumatic pains, etc. Write Lang's Mineral Remedies, 3776 West 39th Ave., Vancouver, B.C.

## RUPTURE RELIEF

Write today for details. British Appliance recommended by doctors. Free Trial Offer. So comfortable you will not know you have it on. Holds the hernia firmly. In many cases the ruptured tissues reunite and rupture conquered forever. Beasley's, Dept. CL57, 60 Front St. West, Toronto.

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**COWBOY BOOTS** — Hand made. Send for description. Wellington Boot, 113 S. Ont. St., Kitchener, Ont.

**MEN'S HORSEHIDE MITTS**, hair inside, \$2.00. Gauntlets, \$3.50 pair. Scatter rugs, \$1.00 postpaid. Western Leather Goods, Moose Jaw, Sask.

**BLANKETS, CLOTH YARNS**, batts, etc., made from your own sheep's wool, or if you have old woolsens we will remake them into blankets. Write Brandon Woollen Mills Co., Ltd., Brandon, Man.

**.303 BRITISH CALIBRE**, specially selected converted Mark 3 lightweight 10-shot Sporting rifles; price each only \$41.00. 48 rounds ammunition, \$3.00. Immediate delivery. Limited supply. Write for photo and description. Money refunded if not satisfactory. SCOPE SALES CO., 326 Queen St., Ottawa, Ont.

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**J. DRAYTON SPENCE**, Optometrist, Telephones. Bus. R 1808, Res. S 0380, 1015 Greyhound Bldg., Calgary, Alta.

## PERSONAL

**60 CENTS** — Your handwriting analyzed. Complete future, true facts about yourself, when you will marry, business ability, travel, talents revealed, questions answered. Madame Madonna, Box 545, Regina, Sask.

**"R. & S." POWDER** IS A RELIABLE, safe herbal remedy that has been manufactured in Edmonton for over thirty years. The hundreds of grateful letters we have received is ample proof that "R. & S." does get good results. If you have that nervous stomach, poor elimination, those rheumatic conditions you can't seem to get rid of, or that tired, rundown feeling, try "R. & S." Powder. Sold at all good drug stores. Prices: 2 weeks only \$1.50; 1 month, \$3.00; 2 months, \$5.00. If your druggist does not handle "R. & S.", you may order it direct from the manufacturer, J. C. McIntyre, 10022 - 102nd Street, Edmonton, Alta.

## PERSONAL

**YOUR PERSONAL ASTROLOGER** will study your Birth Chart and prepare Forecast for you individually. My readings are scientific and accurate. Write and receive my explanatory letter. Mrs. Eva Winfield, P.O. Box 196, Vancouver, B.C.

**FREE INFORMATION** — "Choosing a Career", Box 3542, Station B, Winnipeg, Manitoba.

**ARE YOU LONELY?** SEND 25c FOR big sweetheart magazine, descriptions and pictures, lonely men and women seeking friendly correspondence or marriage. Madame Madonna, Box 545, Regina, Sask.

**LONELY? LET CANADA'S GREATEST CLUB** introduce you to nice people desiring early marriage. Many with means. Nationwide membership. Proven results since 1924. Free particulars in plain, sealed envelope. C. C. Club, Box 128, Calgary, Alta.

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Positive relief and comfort. Advanced method. No elastic, no understrap, no steel. Write Smith Manufacturing Co., Dept. M, Preston, Ontario.

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**SENSATIONAL** — This ad. is valuable. Any 8-exposure roll developed and a "Double-size deckle-edge" enlargement from each negative all for 29c. Send this ad with roll and get special price. Regular price 35c. Only one to a customer. Photo Research Lab., Department E, Drawer 370, Regina, Sask.

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## POULTRY

**WE HAVE SEVERAL THOUSAND R.O.P.** Bred and R.O.P. Sired White Leghorn Pullets for sale. These have been on Alfalfa range, open air shelters all summer. Hatched late May and early June, now 16 - 18 weeks old. Excellent value at \$1.50 each for immediate shipment. Hambley Hatcheries, 501 - 8th Avenue East, Calgary, and 10730 - 101st St., Edmonton.

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**MAKE MONEY! RAISE CHINCHILLA RABBITS.** Real profits from breeders, furs, meat, laboratories. Pleasant! Easy! Write today! Rockhill Ranch, Sellersville 82, Pennsylvania.

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All Types of Insurance—  
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**FOR SALE BY OWNER**—4-room stucco bungalow; furnished; cor. 12 lots; near bus. Box 21, Calgary.

**RIGHT ON THE MAIN HIGHWAY**, central Vancouver Island, near beaches, 18 acres with cabin, \$1,500. Good bus service. James Affleck, Nanaimo, B.C.

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**IF YOU WRITE WORDS** for songs but cannot write music we can help you. Details free. Write today. Five Star Music Masters, 545 Beacon Building, Boston, Mass.

**POEMS SET TO MUSIC** — Songs copyrighted. Free examination. Send poems. Harmonyist, Box 68, Weston, Ontario.

**FREE TO SONGWRITERS** — Sample copy of "THE INDEPENDENT SONGWRITER", America's finest songwriters' magazine. C. Miller, Field, B.C. (Agent.)



## The successful failures

IN 1923 a very important meeting was held at the Edgewater Beach Hotel in Chicago. Attending this meeting were 10 of the world's most successful financiers. Those present were:

(1) The president of the largest independent steel company.

(2) The president of the National City Bank.

(3) The president of the largest utility company.

(4) The president of the largest gas company.

(5) The greatest wheat speculator.

(6) The president of the New York Stock Exchange.

(7) A member of the president's cabinet.

### SONG WRITERS

POEMS considered for musical setting. Send your best poem, any subject, for immediate examination and useful Rhyming Dictionary. RICHARD BROTHERS, 18 Woods Building, Chicago.

### SPARROW TRAPS

NEW SPARROW TRAP. Rid your premises of disease-carrying, crop-destroying sparrows. Elevator-type, humane, factory-built. Guaranteed. Nothing like it. Write for money back trial offer and free literature. Farmers Supply Company, 706, Carman, Man.

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STAMMERING CORRECTED — For free, helpful booklet write William Dennison, 543 R. Jarvis St., Toronto.

### TANNERS

TANNERS, Furriers, Fur Dressers—Furs stored and repaired, robe and leather tanning. Taxidermy. The Briggs Tannery, Offices and Factory, Burnside, Calgary, Alberta. Phone E 5430.

### TRAPPERS' SUPPLIES

COYOTE TRAPPERS — Do the coyotes go just so close to your sets and no closer? These same coyotes will go right up to your sets without fear no matter how trap-wise. Results guaranteed. Fred Tyree, 2029 Fourth, Bremerton, Washington.

### TURKEYS

RAISE TURKEYS THE NEW WAY — Write for free information explaining how to make up to \$3,000.00 in your own backyard. Address NATIONAL TURKEY INSTITUTE, Dept. 182, Columbus, Kansas.

### WATCH REPAIRS

WATCH REPAIRING—Honest watch repairing, 18 years experience. Guaranteed work, quick service by mail, reasonable. Also sell watches, bracelets, straps to order. Frank Varga, 2433-26th Street West, Calgary, Alberta

## JUST TO REMIND YOU



that the season is here again when you will soon need your next copy of the NEW IMPROVED NELSON FARM RECORD, and to get your order in early so that you will have it for Jan. 1st. To you who have never used this system of FARM BOOKKEEPING we say, Don't pass up the opportunity to use this wonderful system in 1950. Get your order in now and be ready to start using this simple method with the new year. Thousands now use it and would not be without it.

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1-yr. size, \$1.85—3-yr. size, \$3.75

(8) The greatest "bear" in Wall Street.

(9) Head of the world's greatest monopoly.

(10) President of the Bank of International Settlements.

Certainly we must admit that here were gathered a group of the world's most successful men. At least men who had found the secret of "making money." Twenty-five years later, let's see where those men are:

The president of the largest independent steel company, Charles Schwab, died a bankrupt and lived on borrowed money for five years before his death.

The president of the great utility company, Samuel Insull, died a fugitive from justice and penniless in a foreign land.

The president of the largest gas company, Howard Hopson, is now insane.

The great wheat speculator, Arthur Cutten, died abroad, insolvent.

The president of the New York Stock Exchange, Richard Whitney, was recently released from Sing Sing Penitentiary.

The member of the president's cabinet, Albert Fall, was pardoned from prison so he could die at home.

The greatest "bear" in Wall Street, Jesse Livermore, died a suicide.

The head of the greatest monopoly, Ivor Krueger, died a suicide.

All of these men learned well the art of making money, but not one of them learned how to live!

## A.F.A. to meet in Edmonton

THE annual convention of the Alberta Federation of Agriculture has been definitely set for Edmonton, December 14, 15 and 16. It will be held at the Masonic Temple and about 125 delegates are expected.

## Trees for Farms

EACH year thousands of trees are distributed to farmers in the prairie provinces by the Dominion Forest Nursery Station at Indian Head, Saskatchewan. These trees are supplied free of charge providing the land on which they are planted has been summerfallowed the preceding year.

Trees which are available for only the cost of freight are: caragana, ash, elm, Manitoba maple, poplar and willow. There is a nominal charge for the following evergreens: white spruce, Colorado spruce and Scots pine.

As the supply of all of these trees is somewhat limited, farmers who wish trees next spring are advised to make application this fall. Write to the Dominion Forest Nursery Station, Indian Head, Saskatchewan, for further information.



Sounds too good to be true, doesn't it?



Well it isn't. Not if you'd like to buy a greeting that will go out to your very special friends every month for the next Two Years.

## That's the Farm and Ranch Review Christmas Offer

Fill in the coupon below giving the names of the friends to whom you would like to send the FARM AND RANCH REVIEW with your compliments.

If the coupon isn't big enough simply list the additional names on a piece of paper and attach.

Enclose 25 cents for each name and we will swing into action.

We will send this magazine to each one for the next two years—

once a month for 24 months. And as soon as your coupon arrives we will send your friends a card wishing them a Merry Christmas on your behalf, telling them of course that you have subscribed to the FARM AND RANCH REVIEW for them.



There, it isn't too good to be true, is it?

You won't have to fight your way through Christmas crowds looking for gifts. No bother about addressing cards, or making extra trips to Post Office. No fuss, no bother, no worry and the satisfaction of knowing that you are giving a magazine that the whole family will enjoy.

Frankly, we think your friends will regard this as a real nice way of wishing them a—



## Merry Christmas

Please send the FARM AND RANCH REVIEW for 2 years to my friends listed below. Remittance: \$.....

MY NAME IS.....

ADDRESS.....

FRIEND'S NAME.....

ADDRESS.....

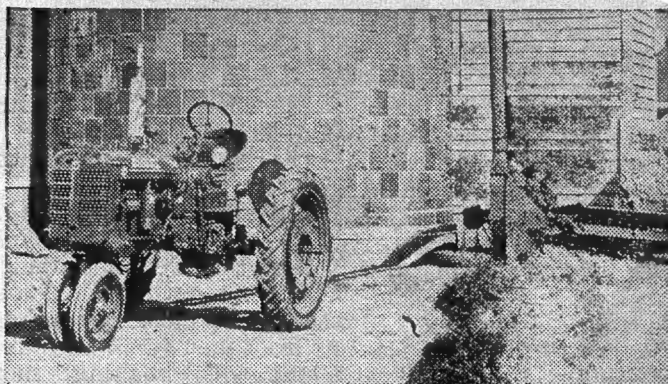
This offer applies only to farmers living in Western Canada.



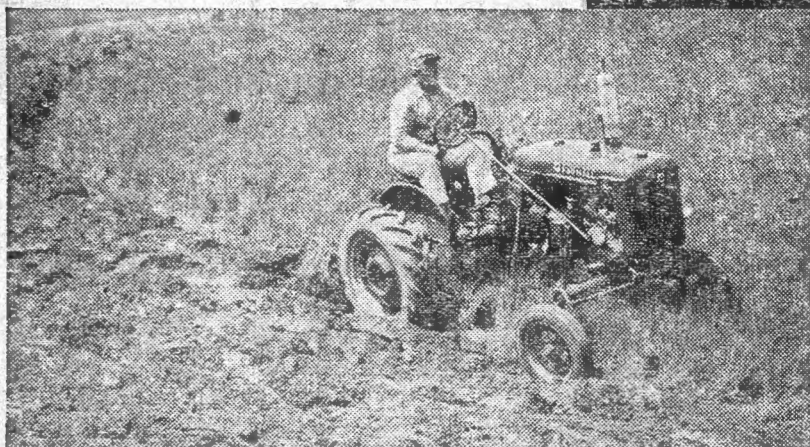
# FIVE

## Farmalls

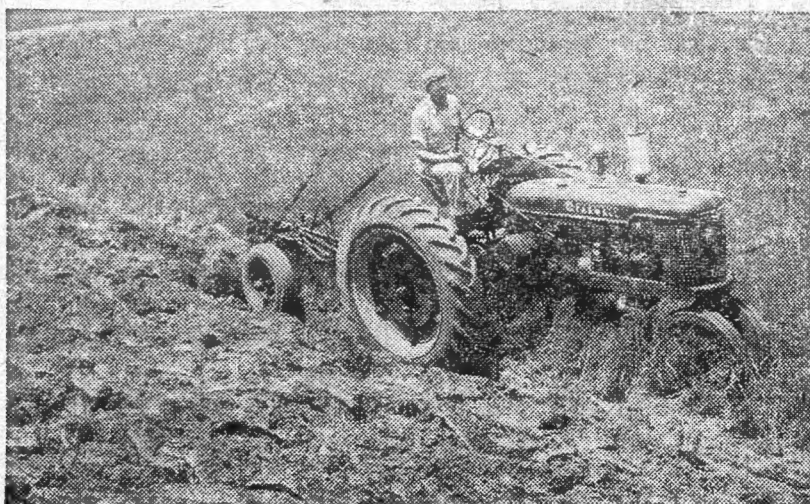
The 2-plow Farmall C tractor delivers 22.18 belt horsepower to drive a McCormick No. 7 ensilage cutter; plows 6 to 9 acres a day.



... to fit your farm  
... to fit your work



The 1-plow size Farmall Super-A tractor plows 3 to 6 acres a day; has standard tread, Farmall Touch-Control. Gives you five-way power.



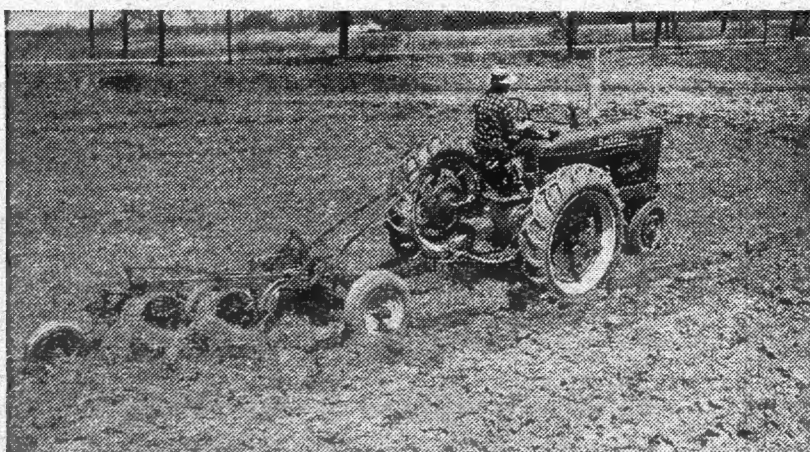
The popular Farmall H is a full 2-plow tractor. Interchanges many mounted implements with Farmall M tractor. Plows 9 to 11 acres a day.

Here is what a *choice* of FIVE FARMALLS means to you. First, whether you operate a large or small farm—you can now enjoy the 26-year proven advantages of the Farmall System of Farming. Well over a million farmers have selected Farmall tractors and matched McCormick farm equipment.

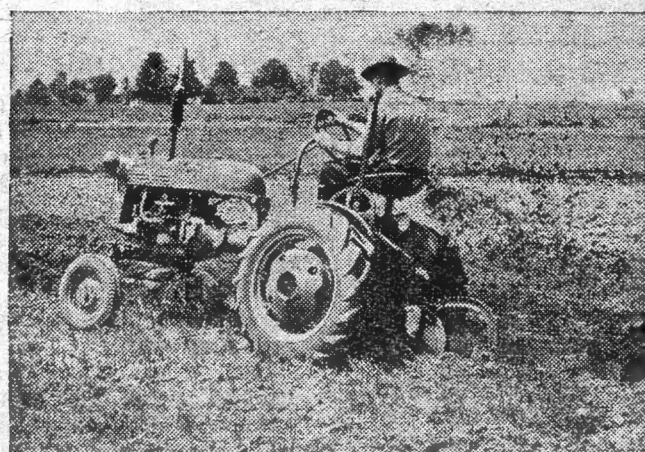
Next, with FIVE FARMALLS, you can select the right Farmall—or combination of Farmall tractors—for every job the year round... so you are never *under* or *over* powered... you *balance* your power with your farm, your labor, your time.

Also, one of FIVE FARMALLS will team up with your present power—or do all your work with the greatest of ease. Only International Harvester can build Farmall tractors, you know—so see your International Harvester dealer. Have him tell you about the five Farmalls, about the matched McCormick farm equipment... they are tailor-made to fit your farm.

The Farmall Cub tractor does all jobs on farms up to 40 acres, many jobs on big farms. Plows 3½ acres a day. Does many jobs twice as fast as horses.



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**HIGH-SPEED DRILL BITS** — Straight and tapered shanks. Write for lists.

**VACUUM and FUEL PUMP TESTERS** — Manufactured by "Stromberg". Has a wide variety of uses, including testing vacuum, sticky valves, weak valve springs, fuel pump, compression test, loose valve timing, etc. In black metal case with necessary rubber tubing and fittings. Regular list price \$11.50. Brand new. U.S. Surplus **\$5.85**

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**SEAT CUSHIONS** — For truck

## TARPAULINS

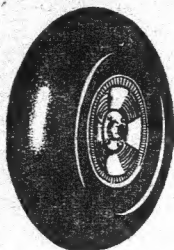
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Waterproof, heavy duty, chemically treated, with grommets. It is a big saving.

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### 6.50x10. Brand New, 6-ply Tires

(Diamond tread); tube; wheel and high-speed bearings; capacity 2,000 lbs. per wheel; stands 22" high, 6" wide, and takes 1  $\frac{3}{16}$  tapered axle. Per complete wheel **\$25.00**

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Consisting of 2 lengths of hose, 2 sets of gauges, 1 welding torch, 5 tips, 1 wrench and 1 pair of welding goggles. Regular \$120.00 value. Surplus Sale Price **\$89.50**

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Squirt type. Spring steel bottom. Used. Only, Each **39c**

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Made by "Barnard". Regular \$2.75 value. Our Price **\$1.49**

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9" long, 2" blade. Brand new. Made in Australia. Only **\$5.39**

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Brand new. 2-gallon capacity. Handy red lacquered cans with convenient pouring spout. Regular \$3.00 value. Surplus Sale Price **\$1.69**

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7" high-grade steel blades, tool leather handle. Brand new. Complete with genuine leather case **\$2.49**

### 6' Benches

FOR COMMUNITY HALL, HOMES, CAMPS, ETC. Folding, solid wood, 6' long, 10" wide, 13" off floor, wooden folding legs. War assets. value at **95c**

### Breakfast

ace your broken these attractive ware. 6 cups and 6 7" plates, 6 1 open vegetable **\$6.50**

### ool Grey Blankets

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